162-17.

BETTER STREET LIGHTING

with

TRADE MARK

UNION METAL

REG U.S. PAT. OFF

LAMP STANDARDS

APR 27 '28

BETTER STREET LIGHTING

WITH

UNION METAL LAMP STANDARDS

AND

GENERAL ELECTRIC LIGHTING UNITS

THE most complete line of Ornamental Standards and Brackets for the lighting of Business Districts, Residential Streets, Parks, Boulevards and Highways. A type and size of standard for every lighting condition.

Distributors and street lighting specialists located in all principal cities. Export business handled exclusively by The International General Electric Company, Schenectady, New York, with offices throughout the world.

INTERNATIONAL GENERAL ELECTRIC CO., INC.
SCHENECTADY, N. Y.

Offices and Associated Companies in all parts of the World

Foreign Representatives handle Union Metal Manufacturing Company Products Exclusively

The Union Metal Manufacturing Co.

General Offices and Factory

CANTON, OHIO

Chicago Office, 230 South Clark Street

Sales agencies in all Principal American Cities

"Better Street Lighting" Book No. 52

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UNION METAL LAMP STANDARDS

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THE UNION METAL MANUFACTURING CO.
CANTON, OHIO

Foreign Distributors
The International General Electric Co.
Schenectady, N. Y.

Canadian Distributors
The Canadian General Electric Co., Limited
Toronto, Canada

SECTION 1—DESCRIPTION AND CONSTRUCTION

Dark Streets Are Dangerous Streets

Before the days of systematic street lighting only those ventured out at night who had urgent business or an ample body-guard. Our streets have become safe just to the extent that they have been well lighted. It is true that light alone would be insufficient protection, but it is equally true that police alone, in any reasonable numbers, cannot afford complete protection.

Municipal budgets, during the past fifteen years, have not permitted the large additions to police forces demanded by the rapid growth of our cities, and constantly increasing motor traffic.

This deficiency in public safety has had to be supplied by better street lighting in which every standard has become a silent sentinel to guard pedestrians against thugs and highwaymen, and motorists against dangerous traffic accidents: —Indeed, the safety of yourself and your family this very night is due more to street lighting than to the protection of your city's police force.

Making The World's Streets Brighter, Safer, More Beautiful

As you look down the well lighted streets of America's progressive cities and towns, chances are you will see an installation of Union Metal Lamp Standards.

As pioneers in the ornamental lighting field, we supplied standards for the first installations sixteen years ago. We have specialized in better outdoor lighting ever since and have furnished equipment for many of the largest and best lighting systems installed during this period.

Union Metal leadership in ornamental street lighting is not an advertising claim, but an engineering fact. It is based on our designing work with the country's leading engineers and architects; on our installations in more than a thousand principal cities and towns; and upon the exclusive Union Metal idea of a pressed steel standard which is lighter in weight, stronger, safer, less expensive to install and maintain and far more beautiful than cast or molded standards.

ID 90-B6206 TCF

Points of Superiority in Union Metal Lamp Standards

The officials of a large city recently sent us the following unique specification, covering their lighting standard requirements:

1. Handsome standards with sharp lines and fine clear cut design.
2. Reasonable price.
3. Safety against deaths and accidents due to falling of standards in traffic collisions.
4. The most economical standards to install and maintain.

Exhaustive study and tests of all products submitted led to the selection of Union Metal Lamp Standards and General Electric Novalux Units as the system that best met these requirements.

This is a typical example of the present state of mind of engineers, lighting companies and city officials, in connection with their plans for ornamental lighting. Today, they are more interested in features of beauty, safety and economy than they are in specifying that the standards shall weigh not less than 800 or 1000 pounds, so commonly found in specifications prior to a few years ago.

Beauty

The principle of pressed steel construction developed and used exclusively by our company gives to Union Metal Lamp Standards a classical distinction and artistic beauty not possible in any other form of lighting standard construction.

Shafts for Union Metal Lamp Standards are die made on the same machines that turn out thousands of Union Metal Columns used by the country's leading architects for porches, and entrances to the finest homes and public buildings.

For sixteen years the Union Metal Manufacturing Company has been furnishing not only supports for lamps and globes but rather artistic lighting standard designs with the same sharp clear cut detail that characterized the architectural columns of ancient Greece and Rome.

SECTION 1—DESCRIPTION AND CONSTRUCTION

Our patented pressed metal construction allows the manufacture of massive, highly ornamental and properly proportioned standards without any appreciable increase in weight. The fact that ornamental standards are installed on the finest streets of a city, often necessitates their being massive and architecturally correct to harmonize with fine homes, large buildings and public structures with which they are associated. To meet this condition with cast or molded standards means the selection of units so heavy that their erection becomes a public menace.

Actual photograph (not retouched) of base and lower end of pressed steel shaft. These Standards recently installed on State Street, and Broadway, Salt Lake City, are not only large, but have sharp, clean cut lines and fine architectural detail.

Character in Every Line

This close-up view reveals the clean cut lines and the fine architectural detail for which Union Metal Lamp Standards have always been noted.

It is an actual photograph, not retouched, of base and lower end of pressed steel shaft. It is one of the large standards installed on State Street and Broadway, Salt Lake City.

Union Metal Lamp Standards are not made and sold as so many pounds or tons of metal, but are produced in a plant with special dies and machinery that make it possible to turn out clean-cut architectural base castings and sharp deep flutings in the pressed steel shafts.

Safety

Good Lighting and Safety Go Hand in Hand

Heavy increase in motor traffic during recent years has emphasized the demand for safe and dependable lamp standards that take the punishment and absorb shocks thrust upon them by curb collisions.

Union Metal Pressed Steel Standards fully meet this responsibility and insure against deaths, accidents and damage suits due to falling lamp posts. They are strong, tough and practically unbreakable when subjected to heavy impact from a motor truck or other vehicle.

Pressed Metal shaft is reinforced with steel anchor and tie rods, extending from concrete sub-base to topmost part of the standard. In case of collision Union Metal Standards will bend, but will not break and fall heavily to the sidewalk.

Standards of lower quality jeopardize life, property, glassware, lamps and cable connections and finally emphasize the desirability of installing Union Metal Standards where they must withstand sudden impact, where it is desired to eliminate breakage and where safety is essential.

Economy

True economy is measured not only in reasonable cost of standards, but in economical installation and low maintenance over a period of years.

Pressed metal construction reduces the weight of Union Metal Lamp Standards to about half that of cast iron or concrete of equal size or dimensions. This means that:

(a) Union Metal Lamp Standards are economically transported and handled. They can be shipped to every part of the United States, Canada and foreign countries at about half the cost of other types.

(b) Erection charges are practically cut in two. Sectional construction with base, shaft and lighting unit as separate parts, means that Union Metal bases can be set when the concrete sub-base is built. Besides saving a great deal of time, the base serves as a covering to the fresh concrete and protection to the exposed cables.

Safety combined with low cost of replacing damaged parts

(c) Afterwards two men come along and easily erect the pressed steel shaft, steel tie rods and lighting unit. Two willing workers, with a step-ladder can erect, in one day, more Union Metal Lamp Standards than a gang of men with block and tackle, erecting platform or other devices can do in equal time with heavier types of standards.

Lower Cost of Replacing Parts

Accidents will happen to standards placed along the curb line. In the case of damage to Union Metal Standards it is necessary to replace only the one part that has been seriously damaged and not go to the expense of replacing the entire standard. Sometimes one of the base sections must be replaced, again a shaft to be straightened or re-rolled, but always only a small part of the cost of installing a complete new standard. Space will not permit a detailed recital of the low maintenance experiences reported to us by many of our largest users.

Protection to Lamp and Glassware

Union Metal Lamp Standards combining pressed metal shafts, steel anchor and tie rods and lead gaskets serve as shock and vibration absorbers, to insure safety and long life to lamps and glassware.

Even a more important economy is the protection against breakage in cases of severe traffic accidents. Union Metal Lamp Standards will bend and remain standing at extreme angles with globes and lamps unbroken and cable connections intact, while other types break under the impact and with their glassware fall violently to the ground.

Scientific Construction of Union Metal Lamp Standards

In the development and design of Union Metal Lamp Standards our engineers constantly kept before them the well recognized principle in engineering that, "the construction that provides the greatest strength with the least weight is the logical one to use." That is just as vital in lighting standard construction as in the design of bridges, freight and passenger cars, automobile frames, structural steel work and other important products that are subjected to stress or strain.

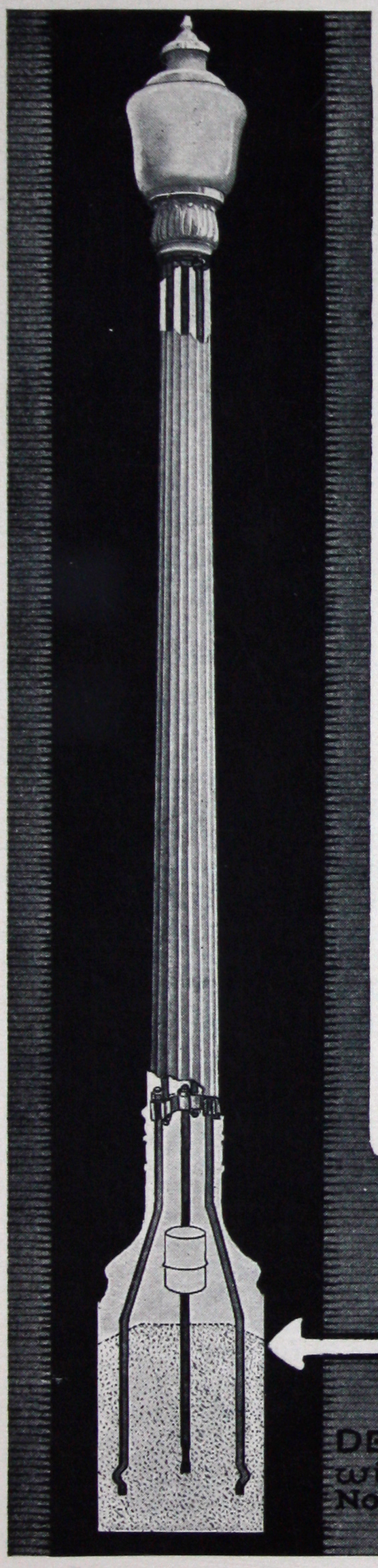
A heavy, brittle material has no place in the construction of tall, slender shafts. Nor does it seem reasonable that a customer should invest in 500 pounds to 1000 pounds of brittle metal to support a globe and lamp weighing from 25 to 80 pounds.

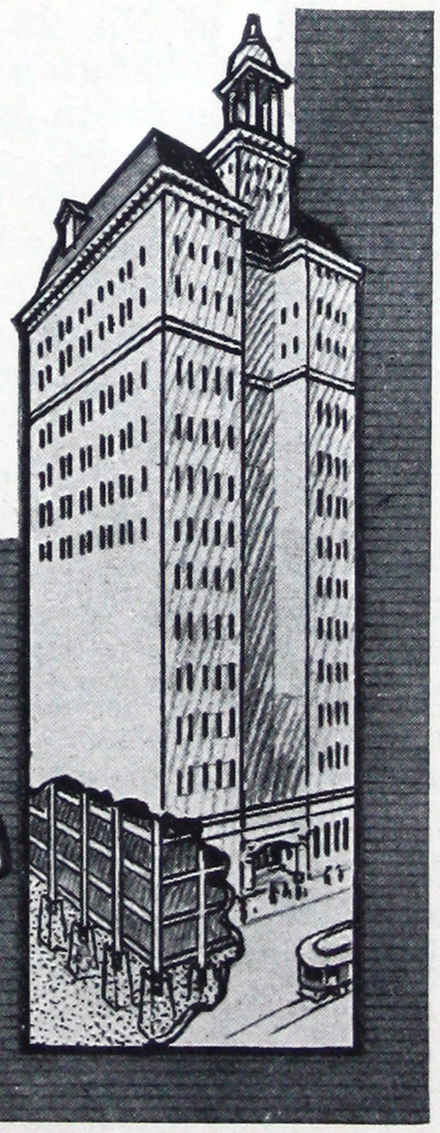
Built Like a Skyscraper

Union Metal Lamp Standards are built like a modern skyscraper. Three sturdy anchor rods extend from the top of the ornamental base into the concrete sub-base, and securely anchor the lower section of the standard to the ground.

Likewise every standard is provided with three steel tie rods passing from the base through the shaft and into the top-most part of the capital or head.

This scientific tripod or steel truss construction, coupled with the pressed metal shaft, provides the important engineering requirements of "great strength, light weight, and low center of gravity." In case of severe impact, they will bend, but will not break and fall heavily to the ground.





Construction Details of Union Metal Lamp Standards

Cast Bases

Union Metal Lamp Standards are always made with base, shaft and lighting units as separate parts. The ornamental bases, arms, brackets and miscellaneous cast parts made of the best grade of tough grey foundry pig iron, are all produced in our own foundry, which, by the way, is one of the most modern and best equipped plants in the country for the production of fine architectural castings.

Sectional construction already described permits all Union Metal base castings to be made vertically or in upright position, thereby eliminating all rough, unsightly vertical seams, so common in cast standards which are made horizontally or lying down.

The Union Metal principle insures finer, cleaner cut lines in all castings and also uniform thickness of metal throughout. Such defects as sand or blow holes, scales, lumps, blisters, and flaws are wholly eliminated.

All master wood patterns are made by expert pattern makers, trained by years of experience to produce relief work and sharp ornamental detail so that the final product might qualify as architectural castings. Hand chased and perfectly finished metal patterns are then made from the master wood patterns so that all work going to the trade is made from the metal patterns.

Pressed Metal Shafts

Shafts for Union Metal Lamp Standards are built up of 2 ply or thicknesses of No. 22 U. S. gauge copper bearing steel. They are lock seamed, die fluted and pressed firmly together; no solder or rivets being used in their construction. Vertical joints of all shafts are double lock seamed, with seam rolled on inside so that all outside surfaces are smooth and clean. All shafts are protected against weather conditions by being galvanized with lead and zinc spelter both inside and outside. This laminated construction provides great strength, light weight and will successfully resist all blows that would shatter or break other types of standards.

Copper Jacketed Shafts

Where unusually rich or elegant effects are desired, the pressed steel shaft described in the foregoing paragraphs is covered at a nominal extra cost with 16 oz. cold rolled sheet copper which is neatly lock seamed, fluted and tightly pressed into place. This reinforced copper shaft can be finished in natural copper, verde antique, oxidized copper or statuary bronze. The base and top portions of the standard are paint finished to match so that at a nominal cost an effect almost equal to cast bronze is obtained. In other cases we are called upon to furnish base and top portions of the standard in cast bronze with copper shafts above described. Prices on any of these special finishes and materials will be quoted upon application.

Union Metal Lamp Standards as Smooth and Clean Inside as Outside

A point of particular interest in connection with our lighting standards is that all interior surfaces are as smooth and clean as the outside surfaces. This condition coupled with the interior painting insures against the falling of scale, rust and moulding sand that sometimes cause short circuits and grounds in the bases of other standards.

Smooth interior also means that there are no fins or rough obstructions in Union Metal Lamp Standards that interfere with the drawing in of cables or cause short circuits and grounds at any point from the base to top of standard.

Galvanized and Painted Inside and Outside

Interior and exterior surfaces of all metal shafts are protected against weather conditions by being galvanized with lead and zinc spelter, both inside and outside.

Inside and outside of all shafts are provided with priming coat of best grade Metallastic Paint before leaving our plant. Finishing coats may be applied after erection. Cast iron parts are also painted both inside and out, with the best grade of metallastic paint.

No other make of lighting standards on the American market is cleaned and finished on both surfaces, as is done with the Union Metal line.

Designs to Meet Every Lighting Condition

The scientific sectional construction already referred to, permits great flexibility in designs and sizes of Union Metal Lamp Standards. This ability to interchange bases, shafts and lighting units, together with the varying lengths of shafts, has been an important factor in our rise to leadership in the lighting standard and building column business.

We are never limited by patterns to an extent that we must sell a customer standards not adapted in design or height to his service. Pressed steel shafts allow us to furnish standards any height in fractional parts of an inch from 5 feet to 25 feet.

This is important because varying heights in the same standard are required for different conditions such as heights and styles of building; varying widths of streets, lamps of high candle power in one city and low in another, taller standards in the business district, and lower ones on residential streets, and many other unusual conditions that call for modified and special designs.

Interchangeable parts make it possible for Union Metal to give a choice of designs in excess of two thousand. Such a wide range of service makes a strong appeal to our present and prospective customers.

Meeting the Demand for Taller, Single Light Standards

The increasing use of higher candle power lamps has created a demand for taller single light standards on certain jobs.

We have met this situation by important changes in plant equipment that permit us to make longer fluted shafts, and provide our customers with single light standards in which the light sources may be anywhere from 15 to 18 feet above the ground.

The creation of these tall single light standards represents one of the most important developments in white way lighting during the past fifteen years. The same safety features that characterize Union Metal Lamp Standards of lower mounting heights are present in these taller units, whereas, all competitive standards have a greatly increased danger hazard as their height increases.

Your Street Lighting Deserves the Service of Leaders

The combined experience of Union Metal and General Electric Engineers dates back to the very beginning of modern street lighting and out of this experience they are qualified and ready to point out the right way for your white way.

At Your Service, a Corps of Lighting Specialists

We have in our organization today the same men who sixteen years ago developed and placed ornamental standard lighting on a commercial basis. The same men who have been leaders in the development of new types and designs to accommodate successive changes and improvements in lighting units.

At the head of our engineering department we have the best designer of ornamental standards and architectural columns in America. In our sales organization, are men who have assisted in planning more than a thousand lighting standard installations in this country and abroad.

These men together with the street lighting specialists of the General Electric Company located at its principal offices throughout the country will give you assistance and advice on any phase of street lighting.

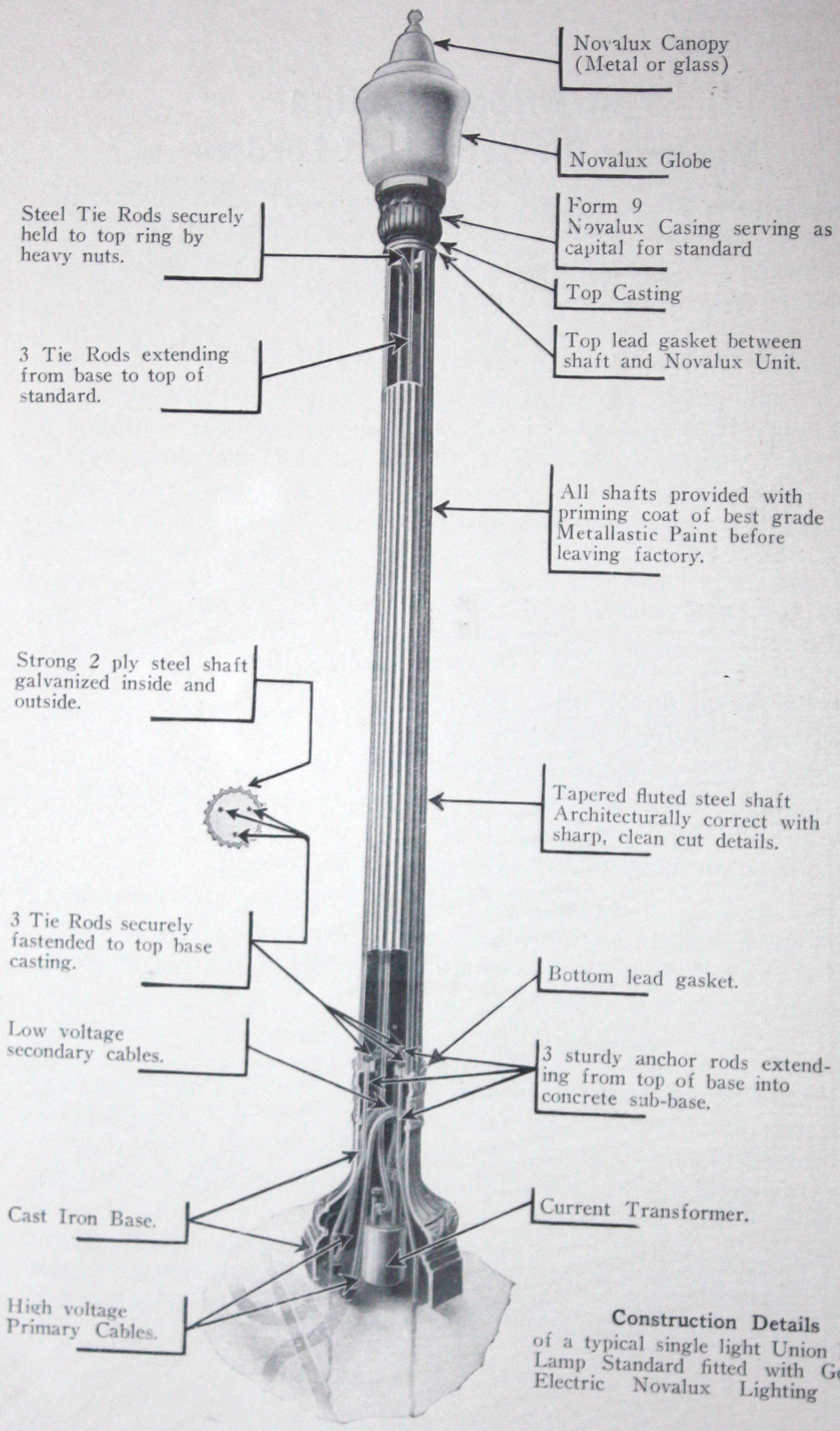
The solving of unusual and difficult lighting problems has been the principal business of these men for many years. Anyone contemplating a new system or a revision of their present one will find their services invaluable.

Patents and Trade Marks

Union Metal Lamp Standards, Union Metal Columns, and the machines and dies used in their manufacture are covered by numerous patents and pending applications, all of which are owned by The Union Metal Manufacturing Company, Canton, Ohio, U. S. A.

Trade mark "Union" in various applications is registered in the United States, Canada, and many foreign countries. Any infringement will be promptly and vigorously prosecuted.

SECTION 1—DESCRIPTION AND CONSTRUCTION



Construction Details
of a typical single light Union Metal Lamp Standard fitted with General Electric Novalux Lighting Unit.

Side Strain and Compression Tests on Union Metal Lamp Standards

The unusual strength of Union Metal Lamp Standards has recently been demonstrated by a test made in our plant at the request of officials of one of the largest cities in the country. The test was directed and witnessed by the officials in question and the results are really remarkable.

A stock design No. 792 listed on page B-200 of this catalog, with a regular shaft tapering from 9½ to 6½ inches was used, making the height to the top of the shaft 12 feet.

Heavy rope was attached to the top of shaft and run at right angles through a heavy pulley, from which a platform was suspended. Standard weights were placed upon the platform until 1100 pounds were used. At that time, the shaft had deflected about 2½ inches, but no damage to shaft, base or rods.

The weights were then removed and the shaft returned to the original position and was absolutely rigid.

Weights were again put upon the platform and no rupture occurred until after 1405 pounds were used, at which time, the top capital ring casting, holding the upper end to the tie rods, broke. During the second test, the shaft deflected 4 inches.

There was no damage to the base and no buckling of the shaft or rods at any point. The steel rods and nuts held firmly and no threads were stripped.

To reduce this test to even more understandable figures and to show the remarkable strength due to steel shaft and steel anchor and tie rod construction, it might be stated that a pull of 1405 pounds 12 feet above the ground, represents a bending moment or strain on the base of the standard of 16,860 foot pounds, or as many engineers like to consider it, 202,320 inch pounds.

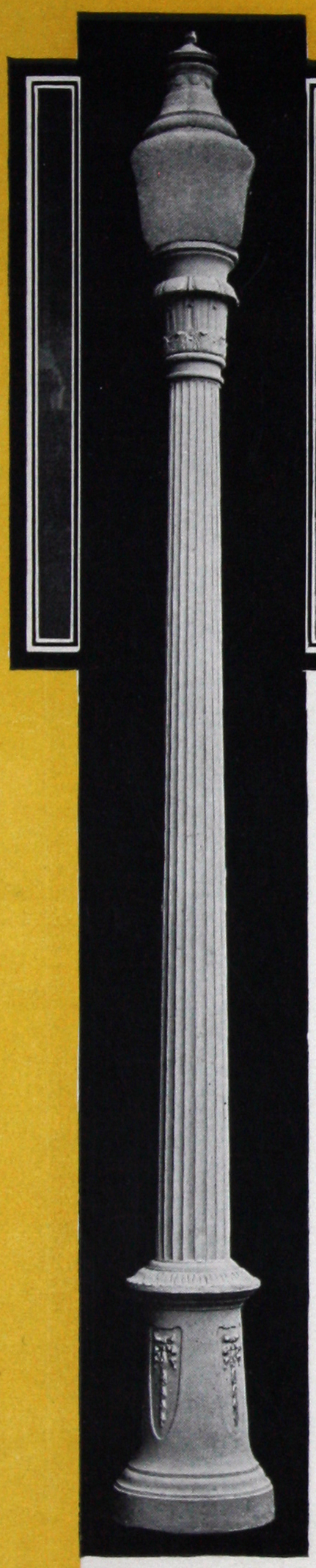
Robt. W. Hunt & Co., nationally known testing engineers of Chicago, recently made report on compression tests that they conducted on various sizes of Union Metal Columns and Shafts. The two ply shaft test, which is the regular construction for Union Metal Lamp Standards showed the following results:

Load	*Remarks*
44,700 lbs.	First indication of crushing at top.
49,980 lbs.	Buckled at 6 in. from top and seam opened.

This test showed no damage at over 22 tons.

These tests by disinterested parties surely bear out the engineering principle that we have followed in lighting standard construction for 16 years, viz., that "the construction that provides the greatest strength with the least weight is the logical one to use."

SECTION 2—INSTALLATION VIEWS



Uniform Illumination on Buffalo's Business Streets
Corner Genesee and Huron Streets in front of The
Buffalo General Electric Company Building

The Bright Lights of Buffalo

Fourteen years ago, the city of Buffalo made its first installation of Union Metal Lamp Standards. Large additions have been installed every year since that time until today the city has more than five thousand standards of Union Metal manufacture.

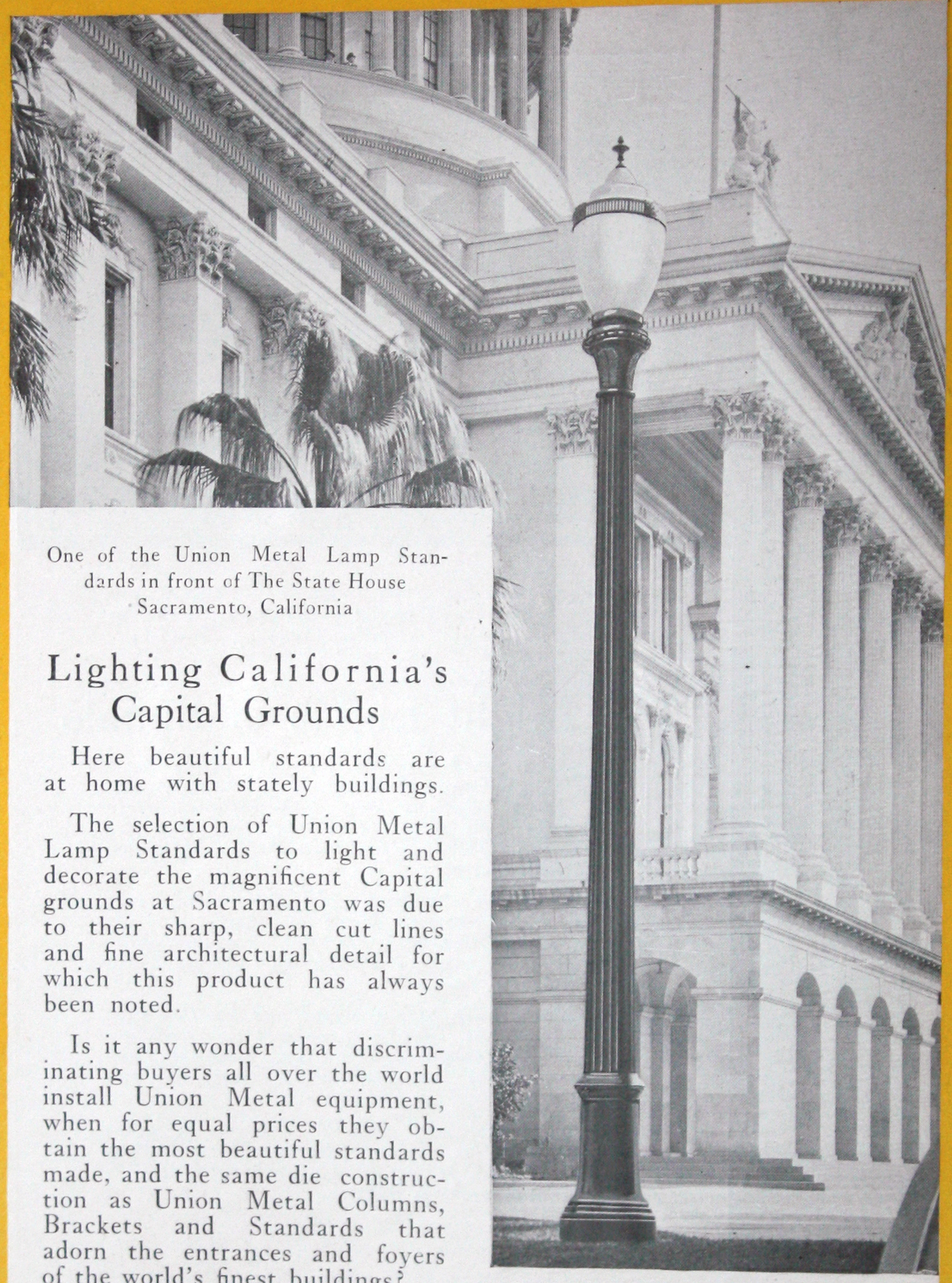
Buffalo, like hundreds of other cities, uses Union Metal Pressed Steel Standards on account of their beautiful, clean cut lines, their great strength and safety that they provide against deaths and accidents.

Standards have been designed and built to take care of various lighting conditions in Buffalo—Downtown, Residential, Parkway, Boulevard and tall designs for the semi-business residential sections.

Union Metal and General Electric Engineers will point out for you the right way for your white way whether your requirements are for business district, residential or parkway lighting.

Design No. 1523
with
G. E. Luminous
Arc
See Page B-206

SECTION 2 INSTALLATION VIEWS



One of the Union Metal Lamp Standards in front of The State House Sacramento, California

Lighting California's Capital Grounds

Here beautiful standards are at home with stately buildings.

The selection of Union Metal Lamp Standards to light and decorate the magnificent Capital grounds at Sacramento was due to their sharp, clean cut lines and fine architectural detail for which this product has always been noted.

Is it any wonder that discriminating buyers all over the world install Union Metal equipment, when for equal prices they obtain the most beautiful standards made, and the same die construction as Union Metal Columns, Brackets and Standards that adorn the entrances and foyers of the world's finest buildings?

We have been solving lighting problems for sixteen years. May we help with yours?

Design 1538
with G. E. Form 12 Novalux Unit
See Page B-212

Night view of Salt Lake City's new lighting system. This city is one of the best lighted in the world.

Salt Lake City is Proud of This New Lighting System

The ornamental lighting of Salt Lake City's streets was the result of two years' exhaustive study and experiment on the part of progressive business interests, city officials and engineers of The Utah Power and Light Co. Their aim to obtain the finest business district lighting in the country has been realized both in the fine appearance of the new system and its superior illuminative value.

The Union Metal Lamp Standards used on this job are among the largest and most handsome ever built for business district lighting. Safety, beauty, light weight and low cost of erection, were qualities so necessary on this job and ones provided only by Union Metal pressed steel construction.

You will want these same qualities whether your requirements are for large spectacular business district standards, or small modest types for parkways or private grounds.

Union Metal Lamp Standard Design No. 1161, fitted with G. E. Luminous Arcs. Installed on State Street and Broadway. See Page B-226.

Night View, Main Street, Salt Lake City showing Excellent Street Illumination

The White Way of the West

Salt Lake City is considered to be one of the best lighted cities in the world. All of her ornamental lighting is done with Union Metal Lamp Standards and General Electric Lighting Units. The Standards are among the largest and most handsome ever installed.

After years of exhaustive study and experiment, Salt Lake Business interests, City officials, and Engineers of The Utah Power and Light Company have realized their ambition to obtain a system of fine appearance and superior illuminative value.

This is Union Metal Design No. 868. Fitted with three General Electric Luminous Arcs—8 panelled globe. Installed on Main Street. See Page B-226.

Business District Standard, Union Metal Design 807 with G. E. Form 12 Novalux. See Page B-208

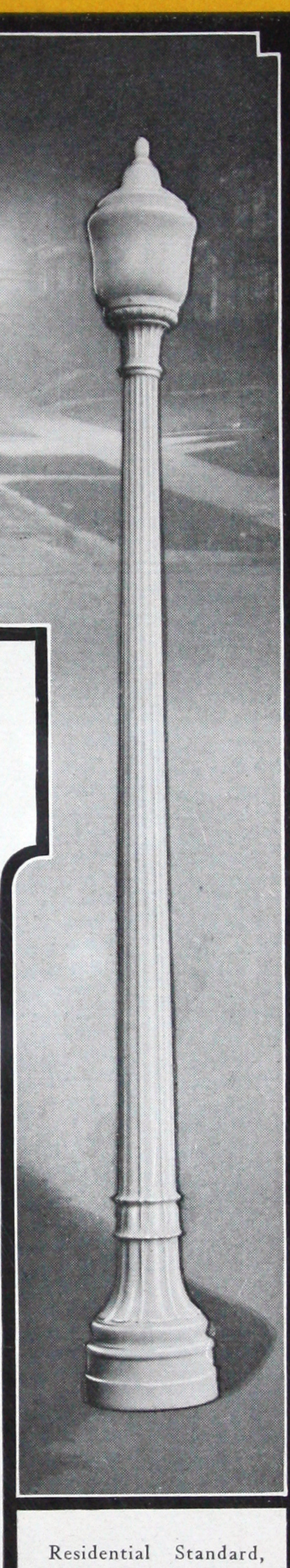
Night view showing good residential illumination, West Washington Street, Sullivan, Indiana

Good Lighting in Sullivan, Indiana

After careful consideration by city officials, by the local central station, and by leading citizens, Sullivan, Indiana, found The Right Way for Her White Way by installing Union Metal Lamp Standards and General Electric Lighting Units.

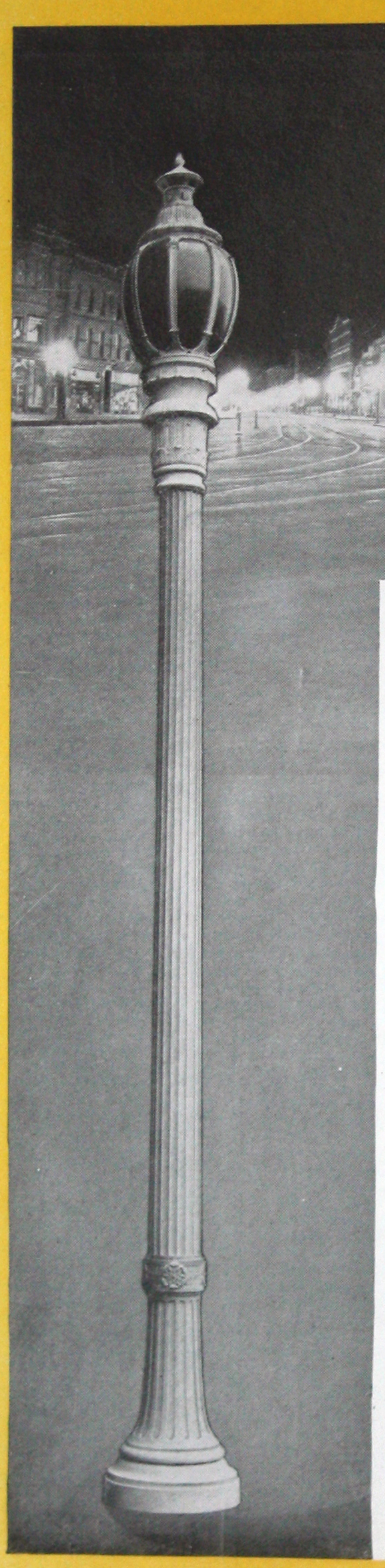
Lighting in the business district is provided by Union Metal design 807, while the residential streets have design No. 1298, a smaller standard that closely matches the business district type.

If your city has a lighting problem Union Metal and General Electric Lighting Specialists will help you work it out.

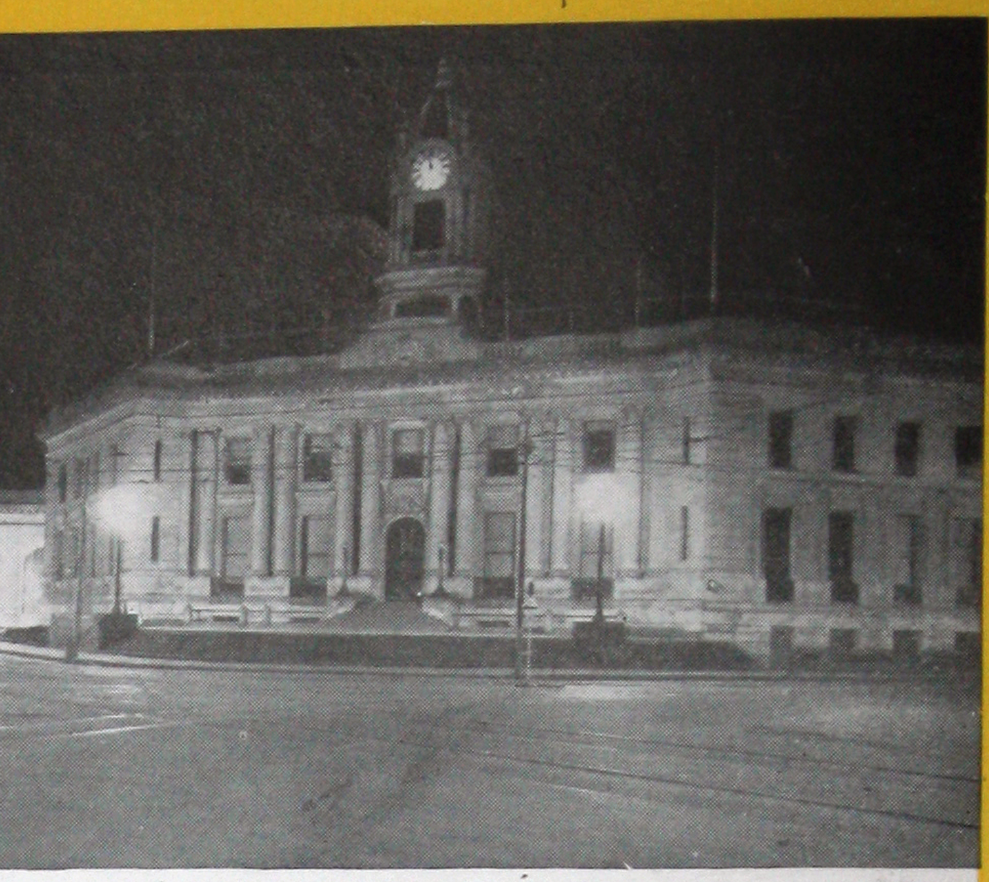


Residential Standard, Union Metal Design 1298. See Page R-410.

SECTION 2—INSTALLATION VIEWS



Design No. 807
with G. E. Form 18
Luminous Arc
See Page B-208



Night View showing fine lighting on Stamford's Streets

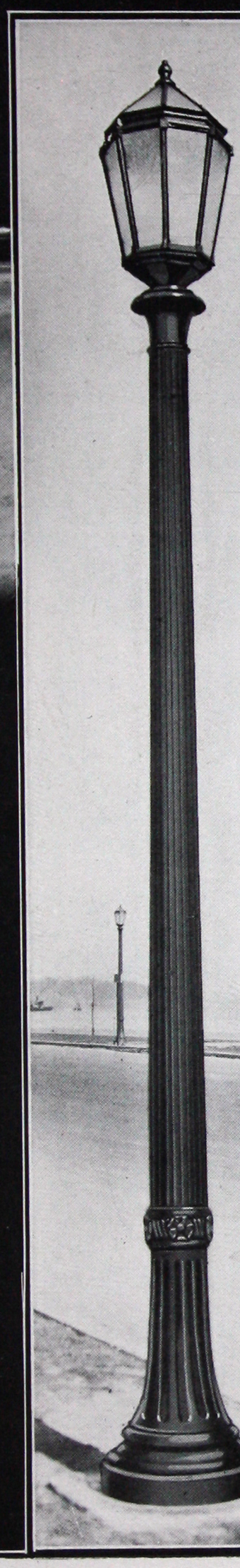
Stamford, Connecticut Found The Right Way for Her White Way

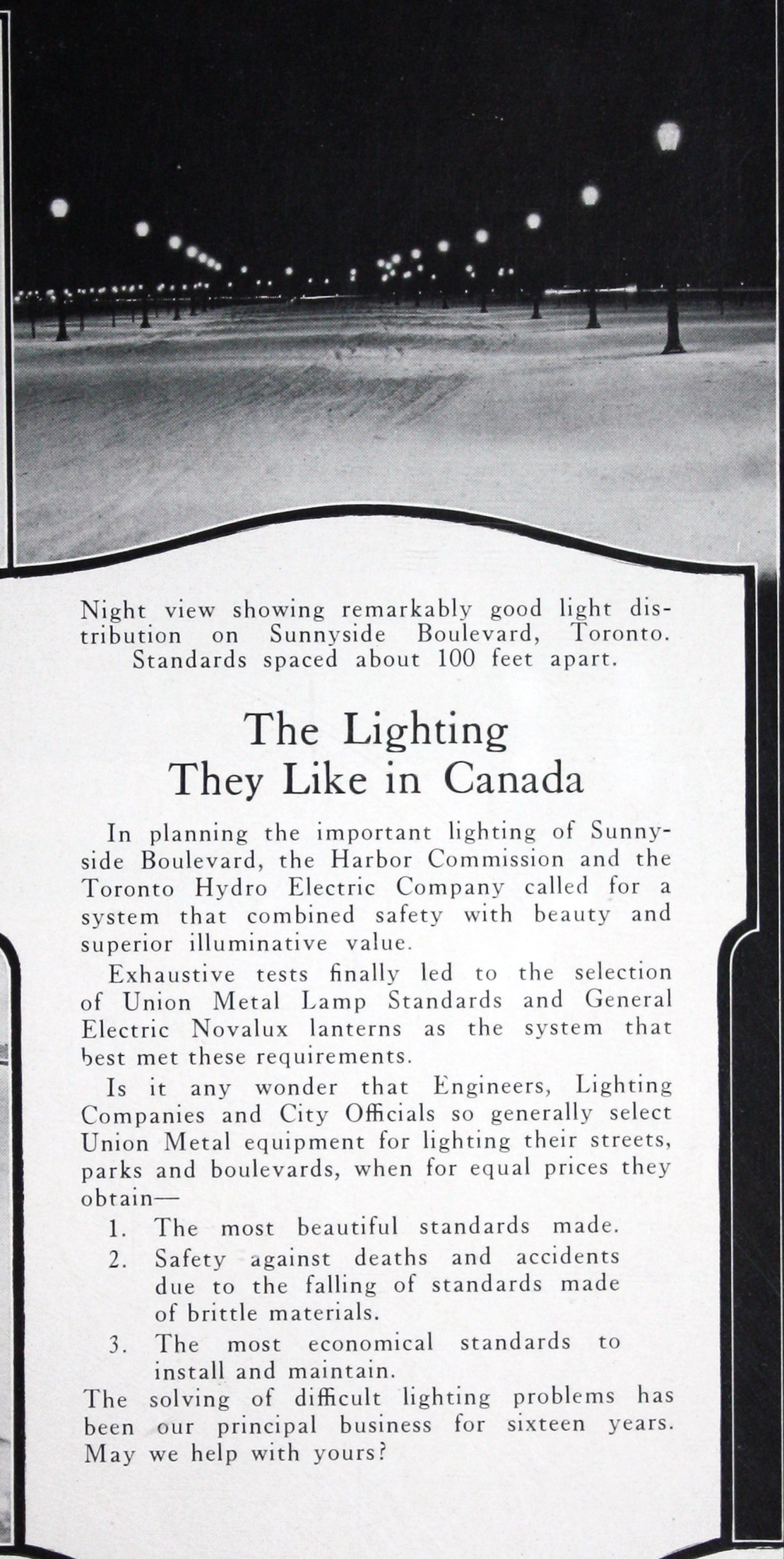
In planning a handsome new lighting system the city of Stamford insisted upon the most efficient form of lighting units to be mounted on lamp standards that combine beauty and safety. They found these qualities in Union Metal Lamp Standards and General Electric Luminous Arcs.

Stamford officials considered it a mark of distinction to install Union Metal Lamp Standards. They graced their most beautiful streets with standards that had sharp clean cut architectural lines and they protected their citizens against accidents and deaths due to falling lamp standards.

If your city has a lighting problem our Engineers will help you work it out. The making of America's streets brighter, safer, more beautiful, has been Union Metal's business for sixteen years.

SECTION 2—INSTALLATION VIEWS





Night view showing remarkably good light distribution on Sunnyside Boulevard, Toronto. Standards spaced about 100 feet apart.

The Lighting They Like in Canada

In planning the important lighting of Sunnyside Boulevard, the Harbor Commission and the Toronto Hydro Electric Company called for a system that combined safety with beauty and superior illuminative value.

Exhaustive tests finally led to the selection of Union Metal Lamp Standards and General Electric Novalux lanterns as the system that best met these requirements.

Is it any wonder that Engineers, Lighting Companies and City Officials so generally select Union Metal equipment for lighting their streets, parks and boulevards, when for equal prices they obtain—

1. The most beautiful standards made.
2. Safety against deaths and accidents due to the falling of standards made of brittle materials.
3. The most economical standards to install and maintain.

The solving of difficult lighting problems has been our principal business for sixteen years. May we help with yours?

Design 807 with G. E. Novalux Lantern
See Page B-208

UNION METAL LAMP STANDARDS

Night view, East Cleveland lighting, taken on Euclid Avenue

Solving a Problem in Residential Lighting

East Cleveland, a residential city with forty miles of gas lighted streets, was confronted last year with the problem of installing a complete new system of electric street lighting.

To solve this problem, engineers of the National Lamp Works of General Electric Company had to plan a system that combined good illumination, economical installation, and low maintenance, yet one sufficiently ornamental to harmonize with the city's natural beauty.

The design and installation of 900 Union Metal Lamp Standards was an important factor in solving East Cleveland's difficult problem. For fifteen years, Union Metal's principal business has been the development of special standards to meet unusual lighting conditions.

Does your city have a lighting problem? If so, Union Metal and General Electric engineers will help you work it out.

East Cleveland Residential Standard. Designed and built by Union Metal Fitted with General Electric Novalux Lanterns, see page R-418

Night View. Five miles of beautiful street lighting on Summit Ave., St. Paul

L.C HODGSON, MAYOR
F S BRINGS, SECRETARY TO THE MAYOR
CATHERINE AYNSLEY, ASSISTANT SECRETARY

MAYOR'S OFFICE
SAINT PAUL, MINN.

December 5, 1921

Mr. W. A. Porterfield,
Union Metal Mfg. Co.,
Canton, Ohio.

Dear Mr. Porterfield:

As a rule I am reluctant to write letters of endorsement for any business enterprise, but in your case I am doing it voluntarily and with a good deal of pleasure because I feel I am under a real obligation to tell you how very greatly I appreciate the service your company has rendered the city of St. Paul in the lighting system now in operation on Summit Avenue.

A few nights ago the new lights were turned on officially, and I drove several times up and down the avenue. I have repeated the operation on each succeeding night for the past week and the more I see of the Summit Avenue lighting the more I am convinced that it is the finest single piece of street lighting in the United States.

While in a sense it is merely a business transaction we have had with you and your company I feel we owe you a debt of gratitude for the way in which you took care of the contract, and in fact you more than kept your promises. The material was shipped in record time, was delivered in first class condition, and everything you did conformed to the promises you made and contributed materially to the rapid installation of the lights.

While we have many streets well lighted in our city, none I think, can be compared to Summit Avenue, and if I could have my way I would like to see every prominent street in our city equipped with the same lights. From an artistic standpoint they are beyond comparison, and in addition they are supreme from a practical standpoint.

I hope we may soon have other streets in our city equipped with the same lights, and if at any time a word from me can be of any assistance to you I hope you will call upon me.

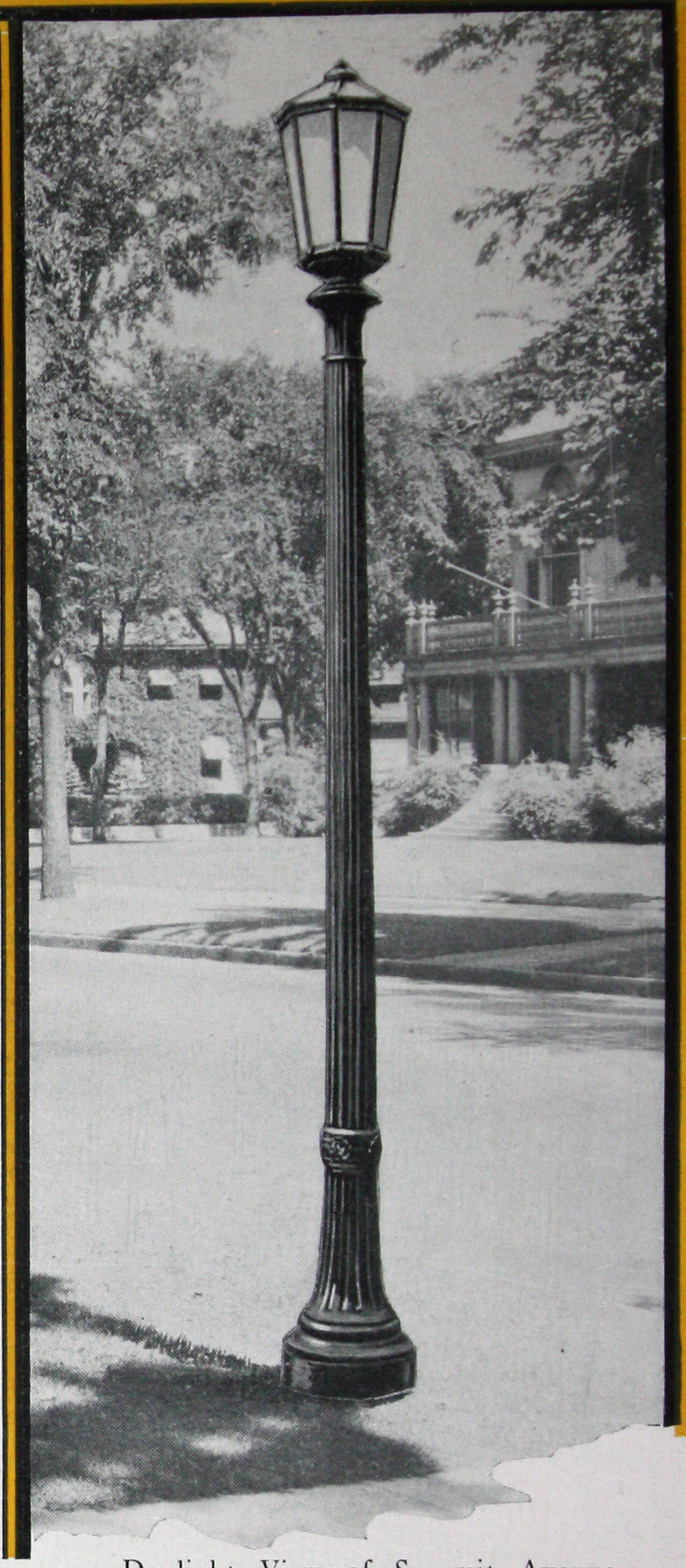
I feel your contract with the City of St. Paul was filled in a splendid spirit of co-operation, you more than made good every promise you made with the city, and we feel our contract with you was the best we have ever made with any lighting company.

Very cordially yours,

L. C. Hodgson

Mayor.

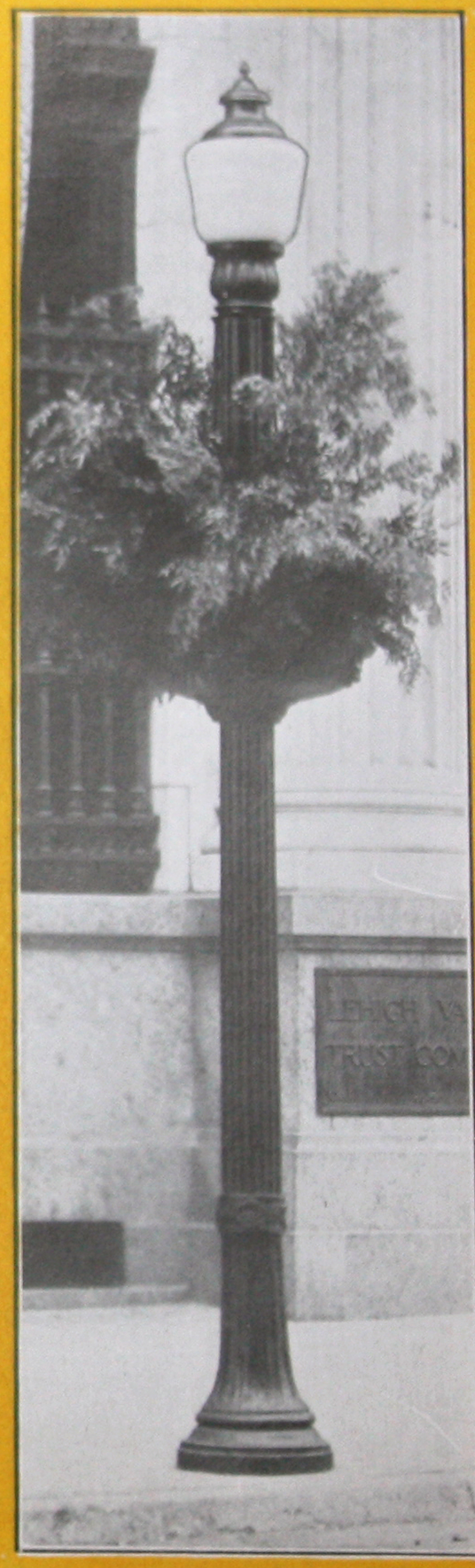
What Mayor Hodgson of St. Paul says about Union Metal Lighting Service



Daylight View of Summit Avenue, St. Paul, showing Union Metal Standard Design 842 and G. E. Form 23 Novalux Lantern shown on Page B-208 this catalog.

Union Metal Lamp Standards on Summit Avenue—The Pride of St. Paul

Night view showing more than a mile of good lighting on Hamilton Street, Allentown, Pa. Several hundred Union Metal flower bowl standards with G. E. Form 9 Novalux Units not only light, but adorn Allentown's beautiful wide streets.

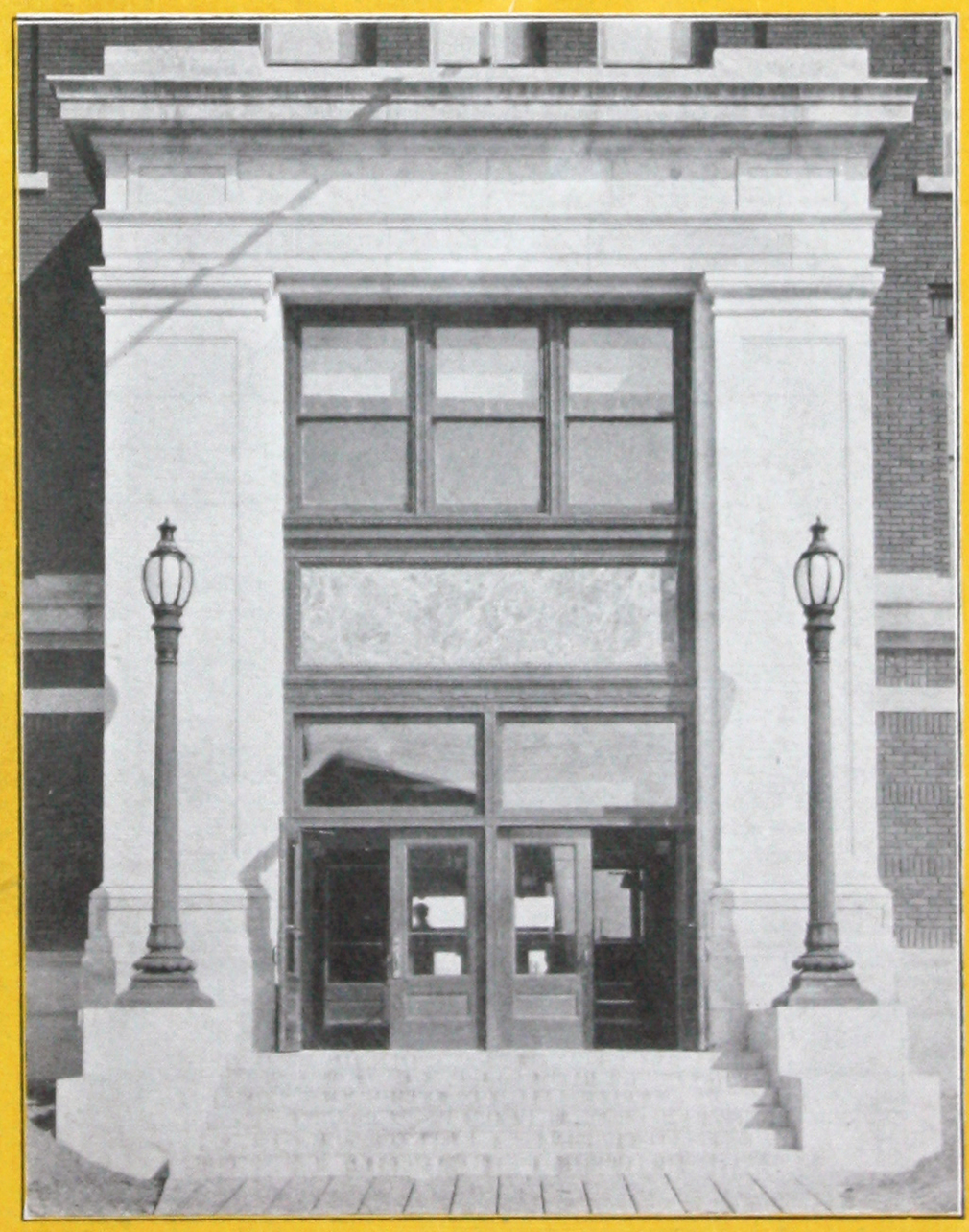


Inset showing daylight view of one of the Allentown Flower Bowl Standards. See Page S-600

SECTION 2—INSTALLATION VIEWS

Night view Muncie, Ind., lighted by Union Metal Lamp Standards, Design 792 and G. E. Form 9 Novalux Units, glass canopies.
See Page B-200

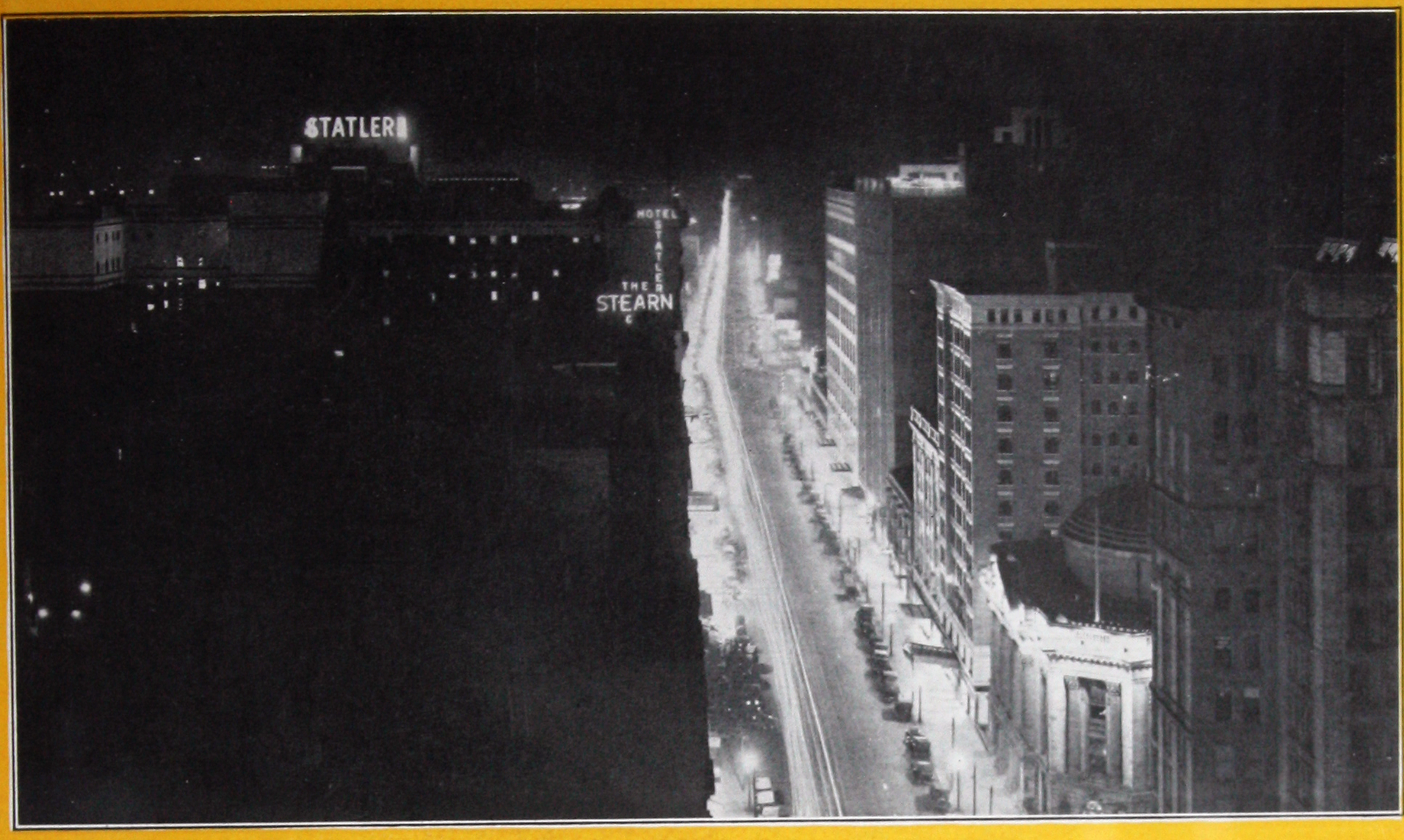
Entrance to new building, housing the general offices of The International General Electric Company, Schenectady, N. Y. Two Union Metal Entrance Standards, Design No. 1176 are fitted with G. E. Form 4 Novalux Units with 8 panelled globes.



View of Union Metal Lamp Standards at The Panama-Pacific International Exposition, San Francisco, where the superior Jury of Awards gave Union Metal Lamp Standards and Union Metal Columns the Grand Prize or Highest Award. The giving of this award was based upon their features of Safety, Beauty and Economy.

Daylight view showing estate of Col. W. H. Morgan, Alliance, Ohio. Grounds are lighted by Union Metal Lamp Standards Design 874 with G. E. Form 8 Novalux Units. See Page R-400.

SECTION 2—INSTALLATION VIEWS



Night view Euclid Ave., Cleveland, Ohio, showing Union Metal lamp standards and lanterns. This one stretch of lighting now covers three miles and when joined with a new section just completed on Euclid, will make six miles of white way lighting on this one avenue alone, the longest in the world. The original installation of 500 units in Cleveland has grown to nearly 5000 during the past eight years. See Designs, Page B-208.

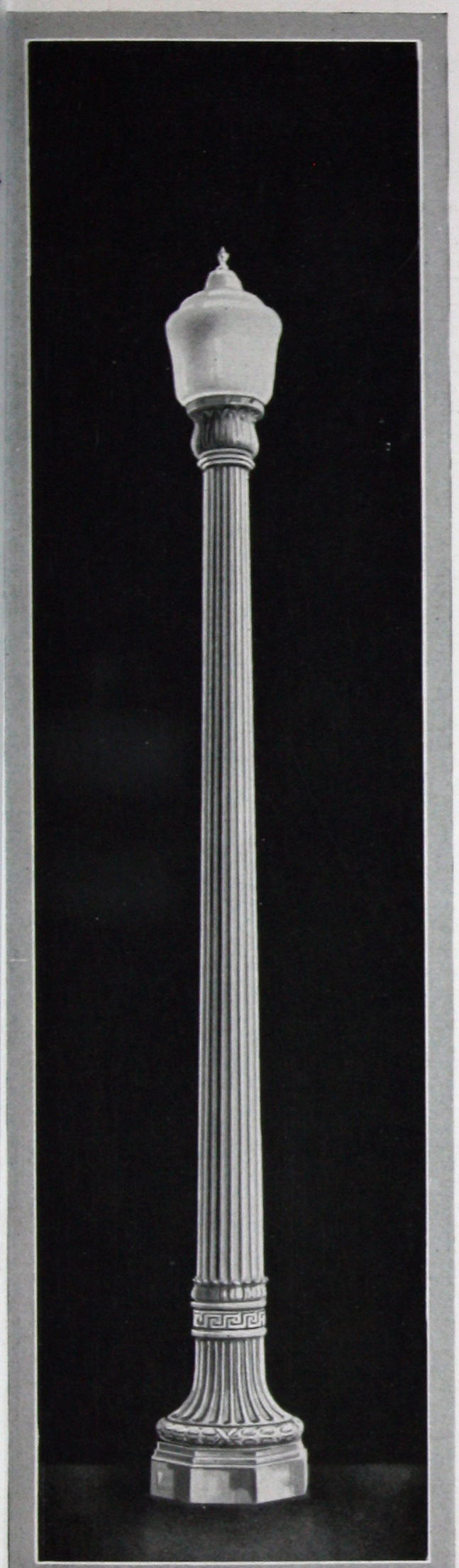
Night view, Superior Viaduct, Cleveland, O. 150 Union Metal standards are required to light this mammoth bridge. Union Metal Lamp Standards are extensively used for bridge and viaduct lighting in all parts of the world. Although any Union Metal design may be used for bridge and viaduct lighting, several particularly good units are shown on pages S-614 and S-616.

SECTION 2—INSTALLATION VIEWS

Daylight view of Union Metal Lamp Standards and Lanterns surrounding the Trans-Continental Oil Company's filling station, Pittsburgh, Pa. Our company specializes in the creation of many special designs for this class of work. See Page R-402 for design No. 880.

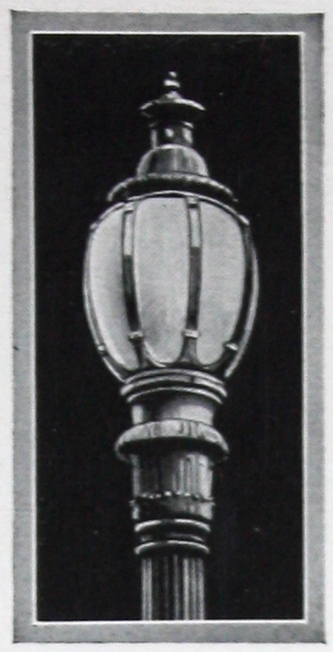
Night view, one of the Mutual Oil Company's filling stations, Denver, Colo., showing Union Metal Lamp Standards. Design 792 with G. E. Form 9 Novalux Units. See Page B-200 for design.

SECTION 3—BUSINESS DISTRICT LIGHTING



Design No. 792 with G. E. Form 9 Novalux Unit.

G. E. Form 12 Novalux Unit, adapted to either of these designs by tapering fluted shaft from 9½″ bottom to 5″ top diameter.

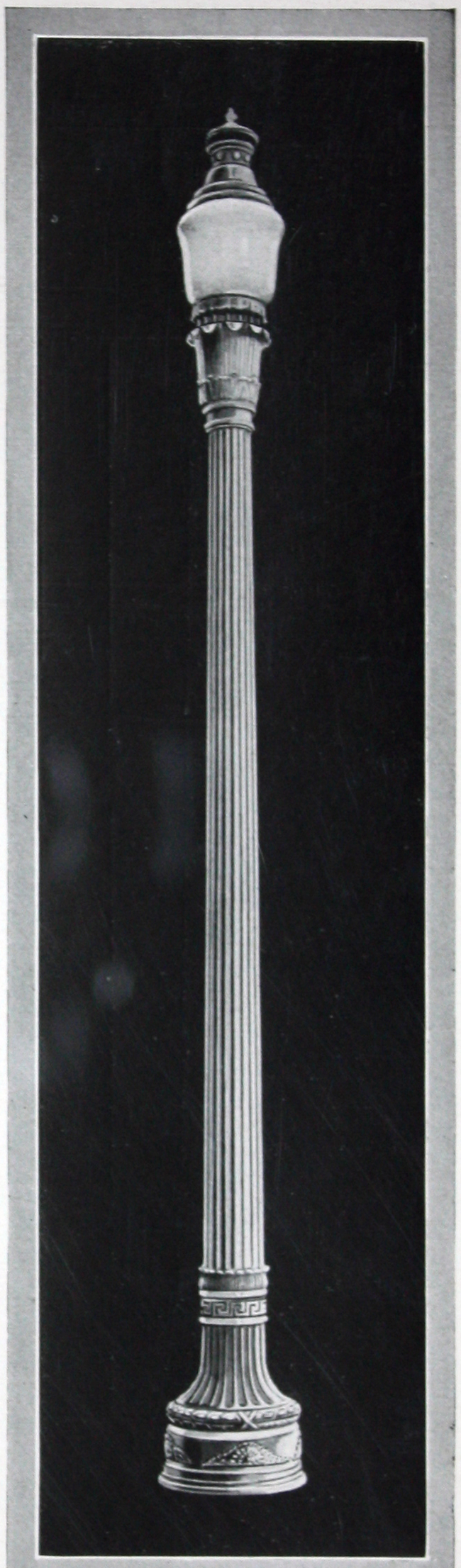


G. E. Form 18 Ornamental Luminous Arc Lamp with 8 panel globe. Adapted to either of these designs without any change in shaft diameter.

Description and Specifications

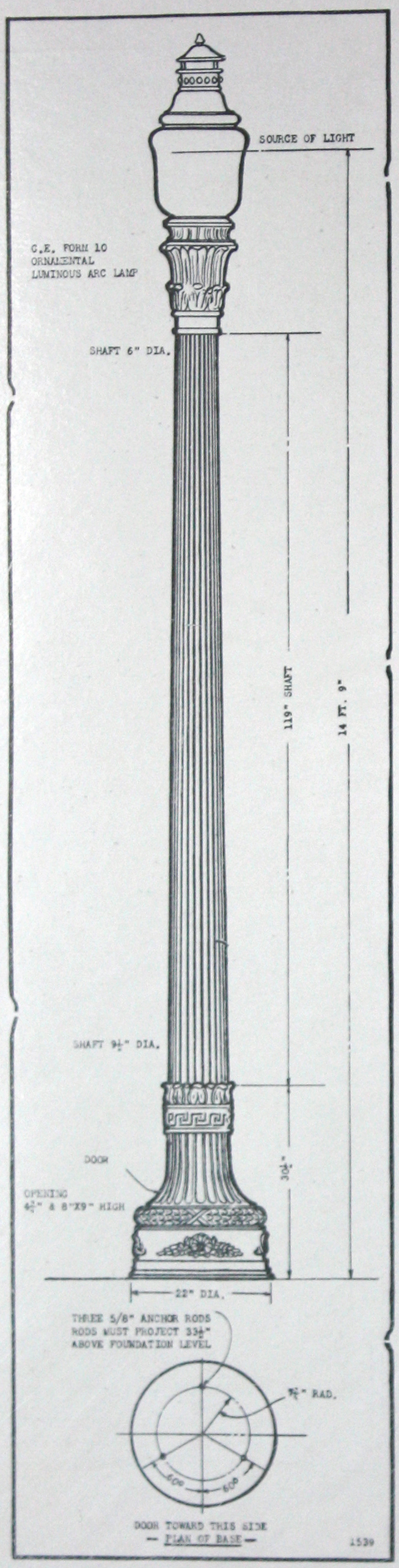
The difference between these two designs lies only in the base members; one being octagon shape and the other round with more ornamentation. Both designs have fluted shafts with 9½″ bottom diameter tapering to either 6″ or 5″ top diameters which makes them particularly popular for supporting the larger sizes of Novalux and Luminous Arc Lighting Units.

Detailed dimension print with further specifications will be found on back of this page.



Design No. 1539 with G. E. Form 10 Ornamental Luminous Arc Lamp.

SECTION 3—BUSINESS DISTRICT LIGHTING



Dimension Print Design No. 1539. Approx. shipping weight lighting standard only 295 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

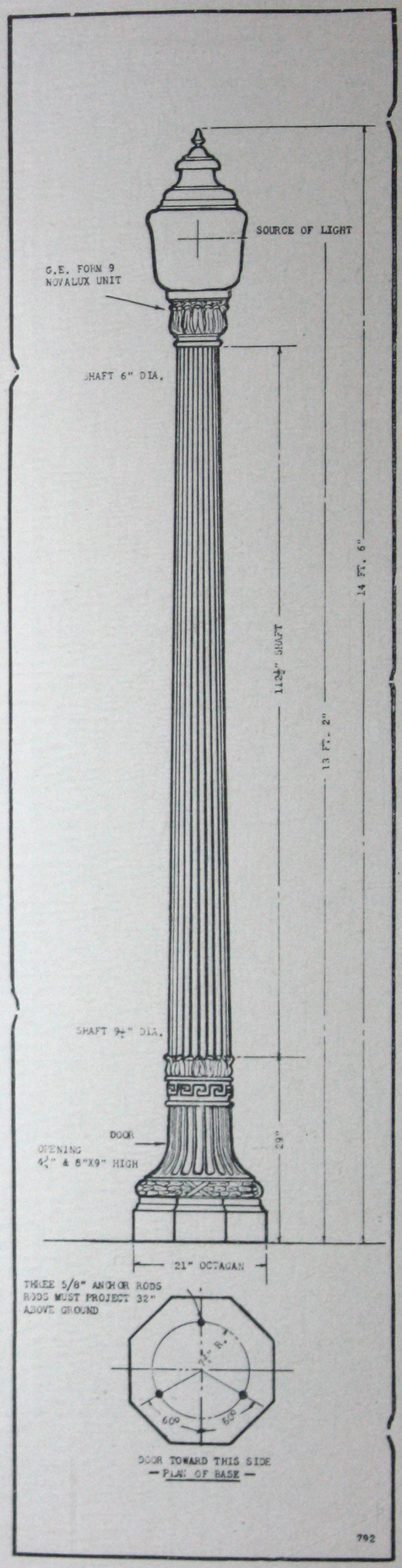
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



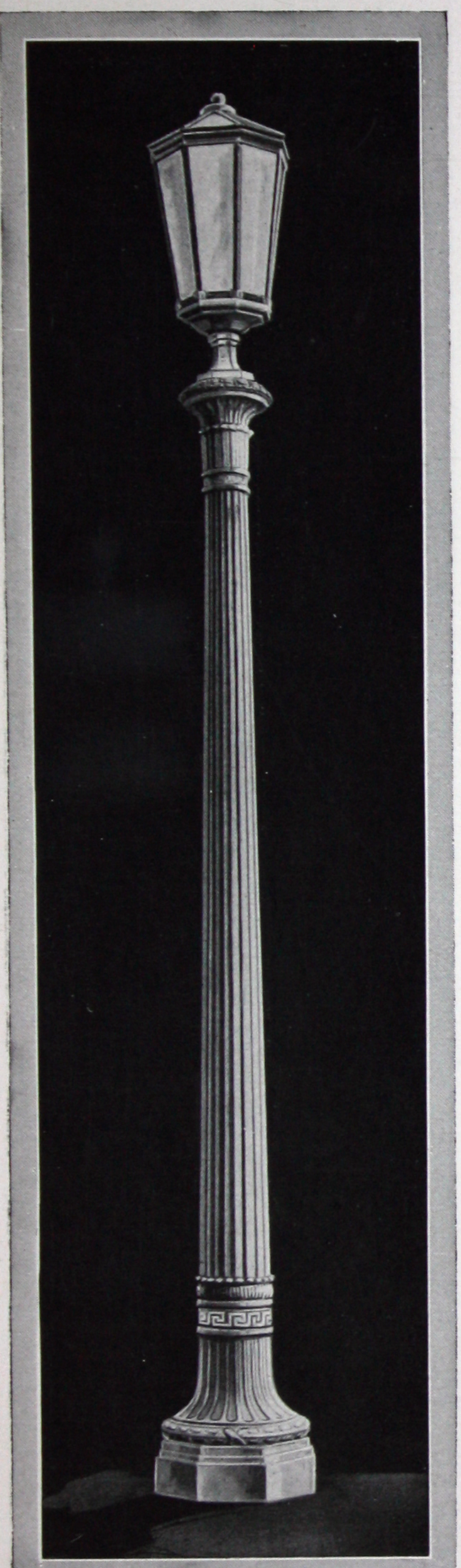
Dimension Print Design No. 792. Approx. shipping weight lighting standard only 285 lbs.

G. E. Form 17 Novalux Unit (Harp. Type). When this unit is adapted to this design the shaft tapers from 9½" bottom diameter to 6" top diameter and the standard is numbered 792.

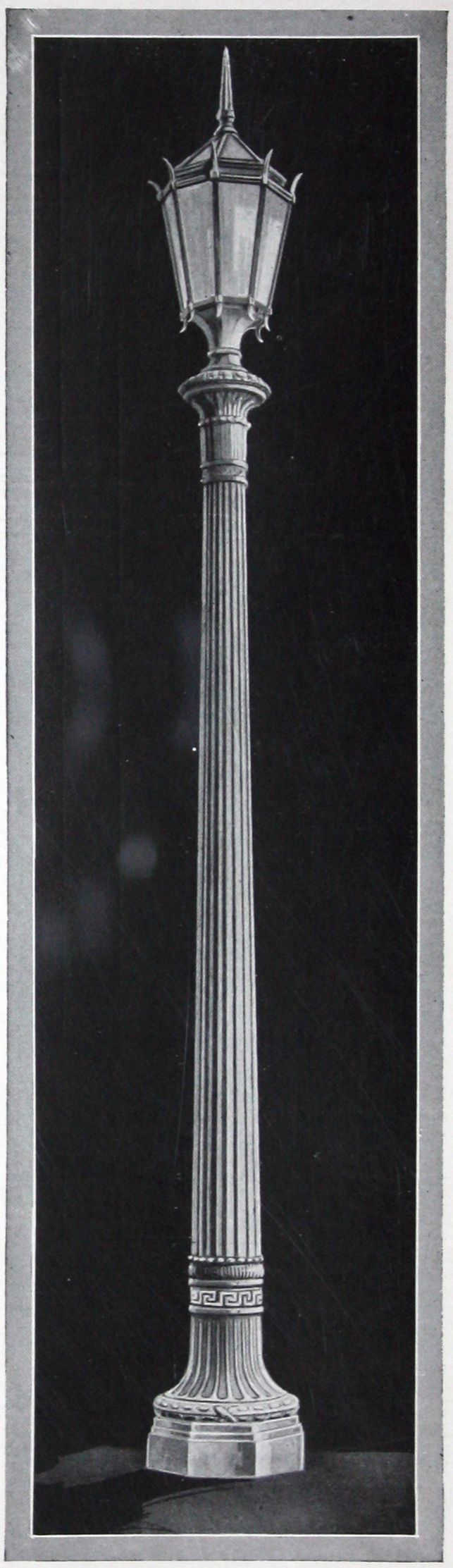
Description and Specifications

Designs 1609 and 1611 are modifications of Design 792 shown on page B-200 of this catalog. In this case the shaft tapers from 9½" bottom diameter to 5½" top diameter and includes Union Metal Capital drilled and adapted to receive General Electric Novalux Lanterns Forms 23 and 18.

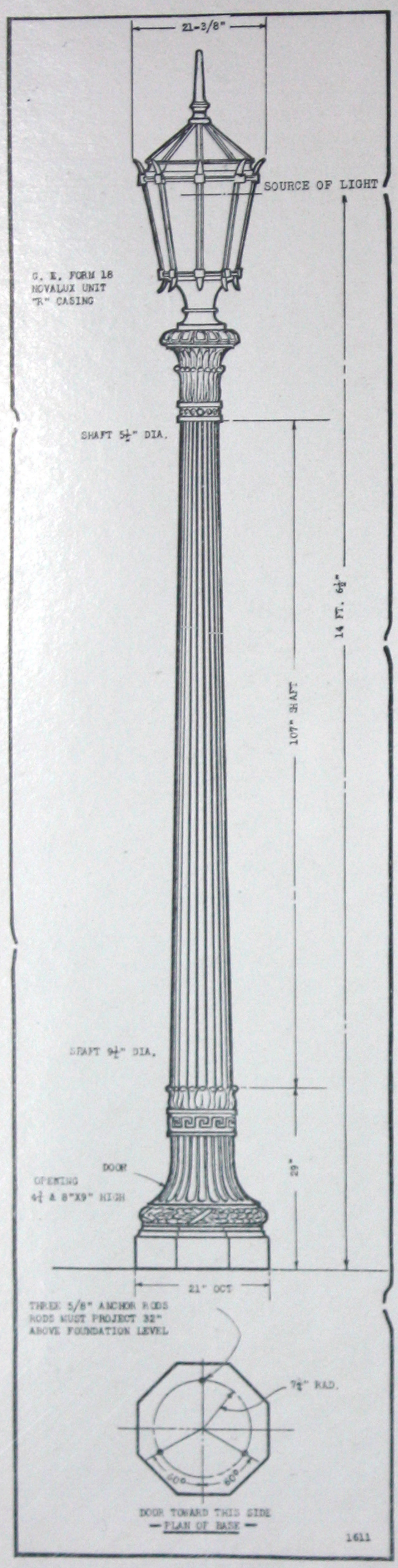
Detailed dimension print with further specifications will be found on back of this page.



Design 1609 with Union Metal Capital and Form 23 Novalux Lantern Shaft tapers from 9½" to 5½".



Design 1611 with Union Metal Capital and Form 18 Novalux Lantern. "R" Casing Shaft tapers from 9½" to 5½".



Dimension print Design No. 1611. Approx. shipping weight Lighting Standard only 335 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

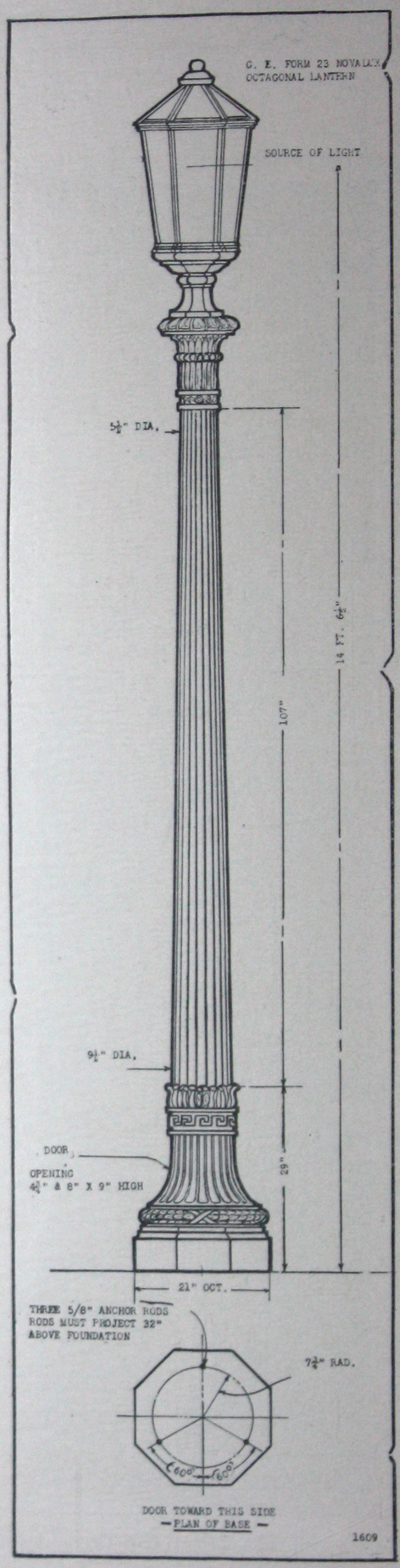
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

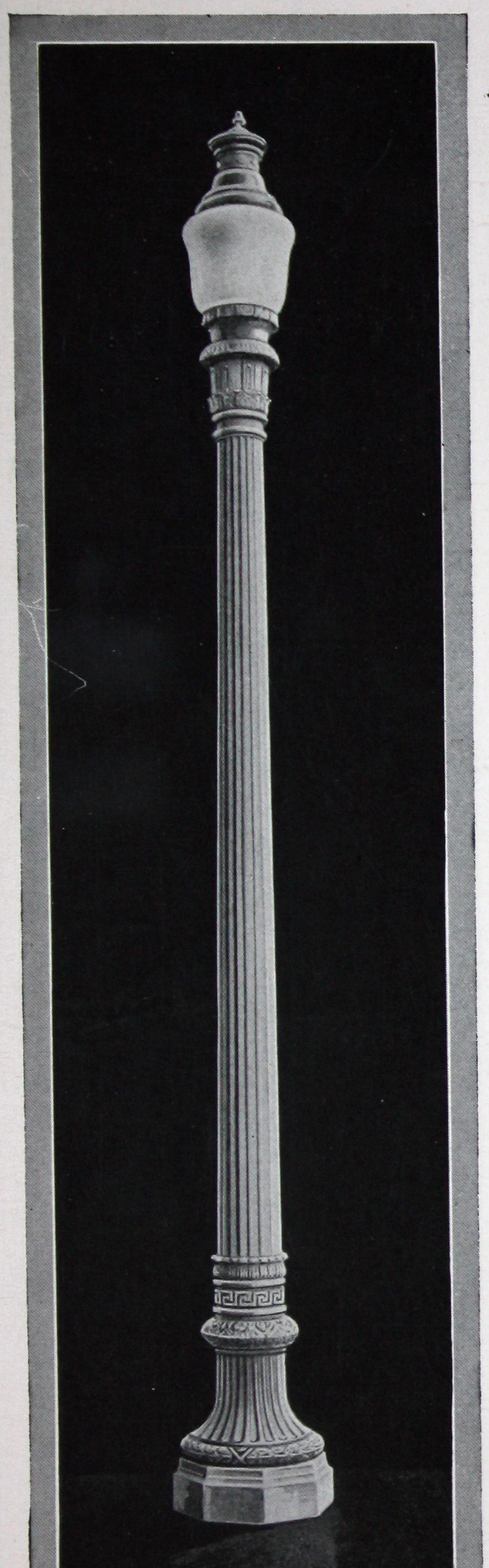
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

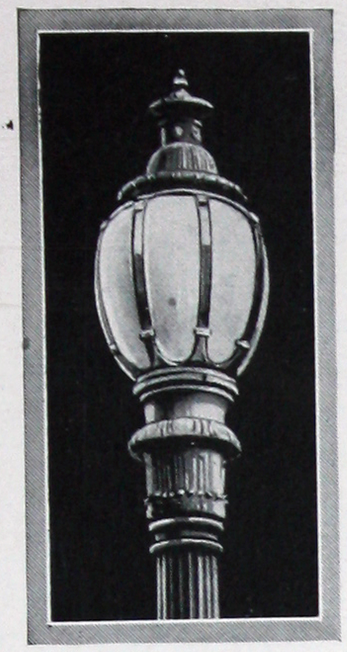
9. Always specify the exact form of lighting unit that will be used on top of standard.



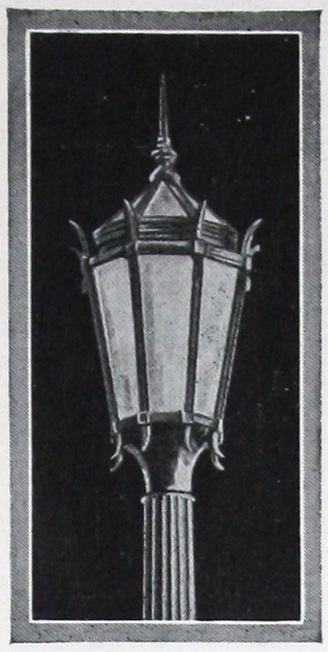
Dimension print Design No. 1609. Approx. shipping weight Lighting Standard only 370 lbs.



Design 647 with G. E. Form 10 Ornamental Luminous Arc Lamp. Shaft tapers from 9½" to 6".

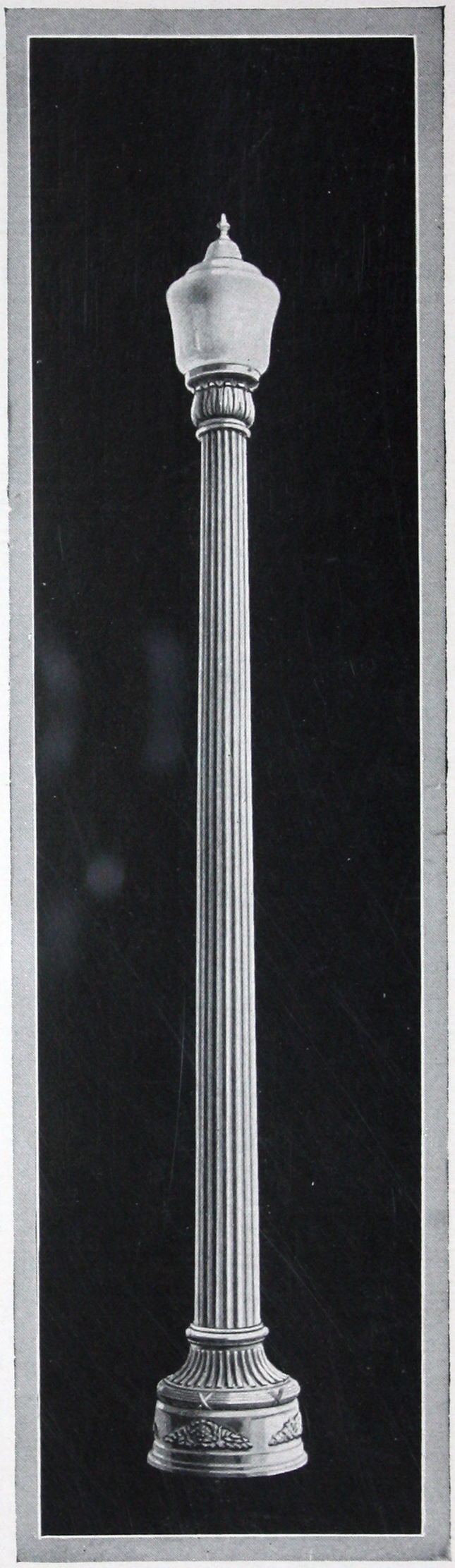


G. E. Form 18 Ornamental Luminous Arc Lamp with 8 panel globe adapted to either of these designs without any change in shaft diameter.

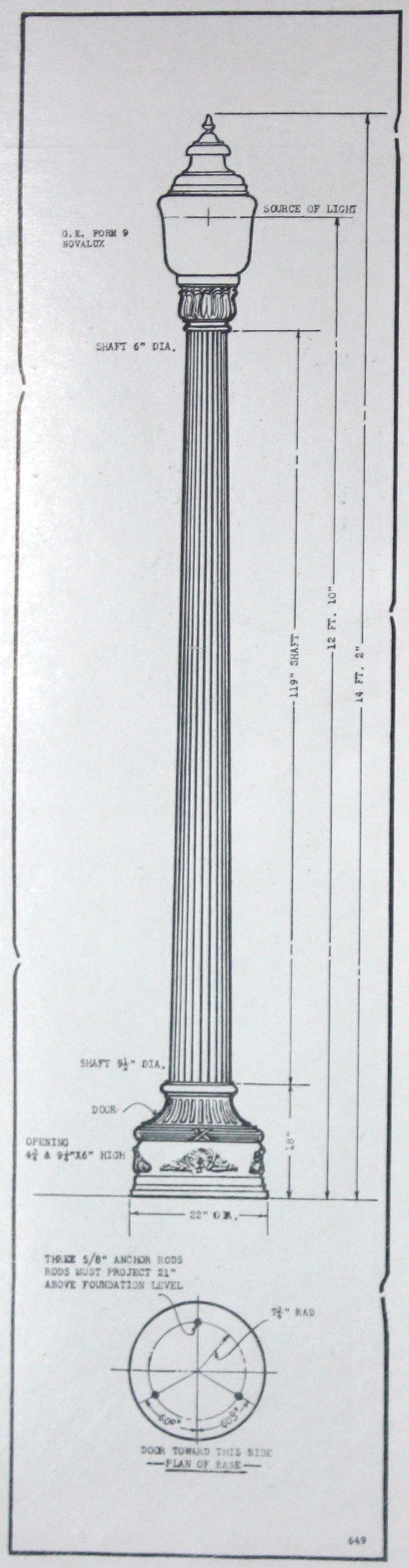


G. E. Form 18 Novalux Lantern. "R" Casing. In this case shafts must taper from 9½" to 5" with top ring drilled to receive lantern. Designs retain their regular numbers of 647 and 649 respectively.

Detailed dimension print with further specifications will be found on back of this page.



Design 649 with G. E. Form 9 Novalux Unit. Shaft tapers from 9½" to 6".



Dimension print Design No. 649. Approx. shipping weight Lighting Standard only 230 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

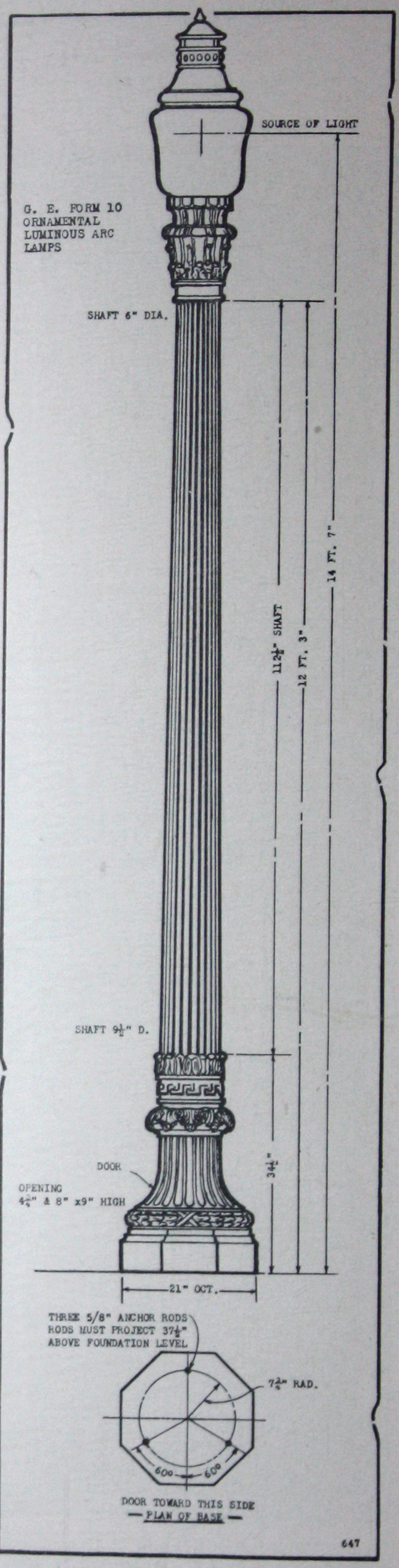
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

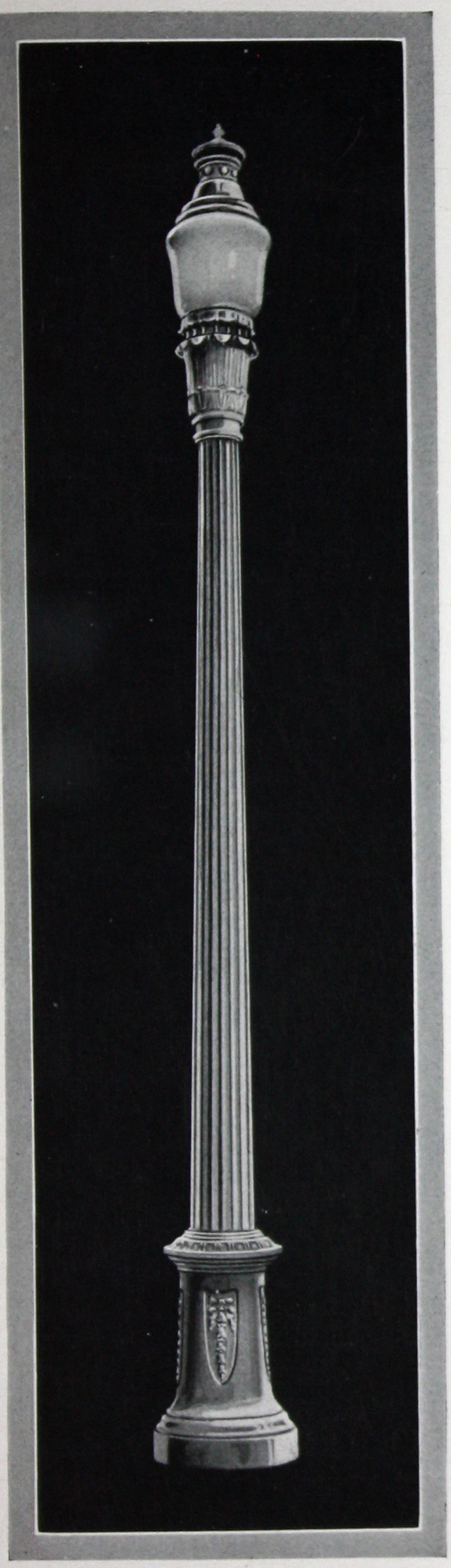
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 647. Approx. shipping weight Lighting Standard only 320 lbs.



Design 1523 with G. E. Form 10 Ornamental Luminous Arc Lamp. Shaft tapers from 9½" to 6½".

G. E. Form 9 Novalux Unit, adapted to Design 1523 without any change in shaft diameters.

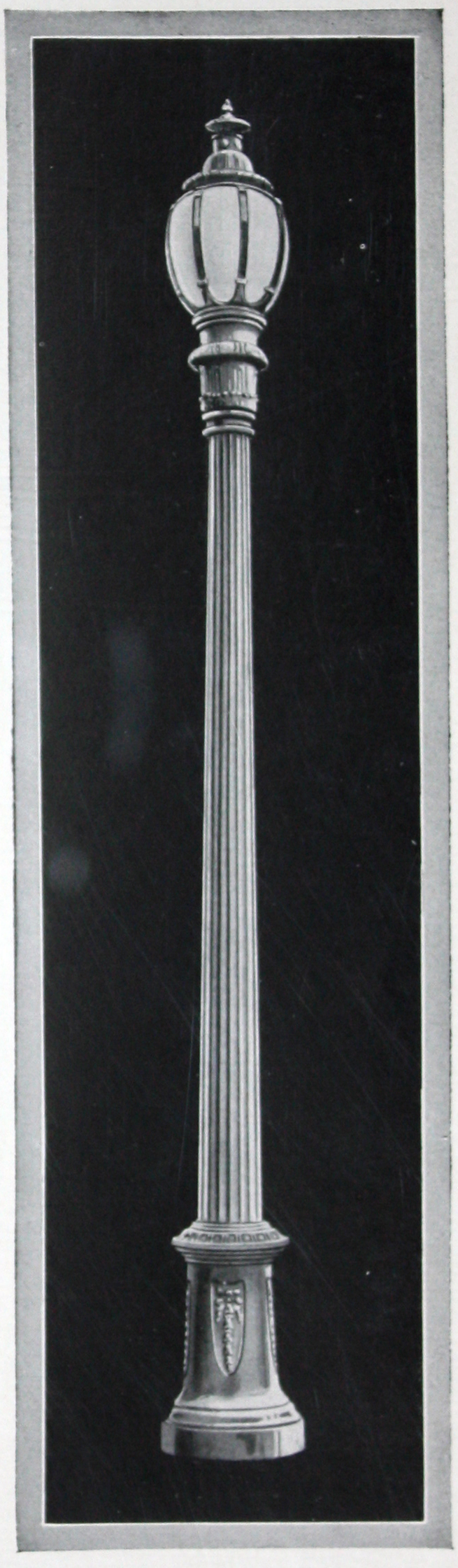
G. E. Form 18 Novalux Lantern. "R" Casing. In this case shaft tapers from 9½" to 5" and is fitted with Union Metal Capital drilled to receive Form 18 Lantern. With this combination Standard is Union Metal Design No. 1689.

Description and Specifications

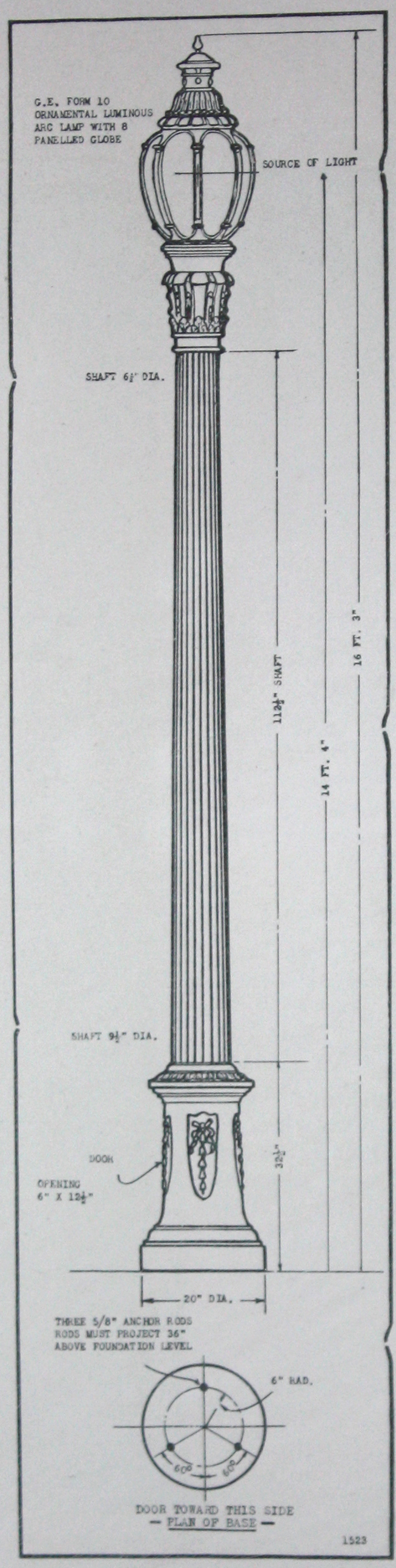
Design 1523 with rather large base and 9½" shaft is a particularly strong, sturdy standard and has been unusually popular for installation with the different G. E. Luminous Arc Units.

Buffalo, Winnipeg, Spokane and Akron are a few of the many cities in which this design has been in service for many years with large additions to the installations from time to time

Detailed dimension print with further specifications will be found on back of this page.



Design 1523 with G. E. Form 18 Ornamental Luminous Arc Lamp. Shaft tapers from 9½" to 6½".



Dimension print Design No. 1523. Approx. shipping weight Lighting Standard only 325 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

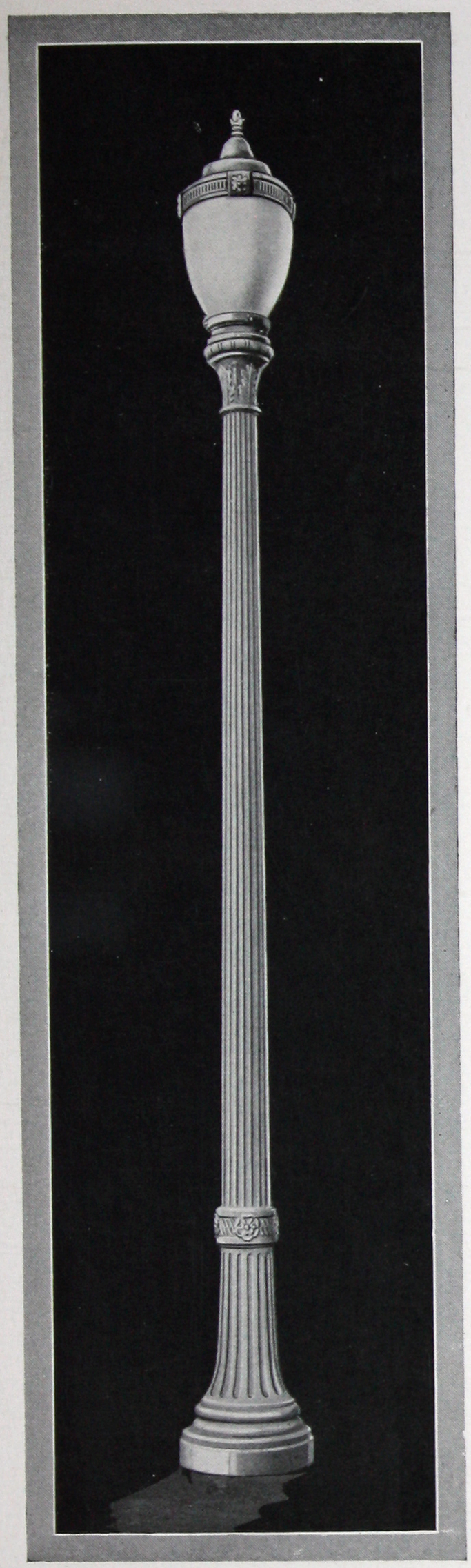
6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.

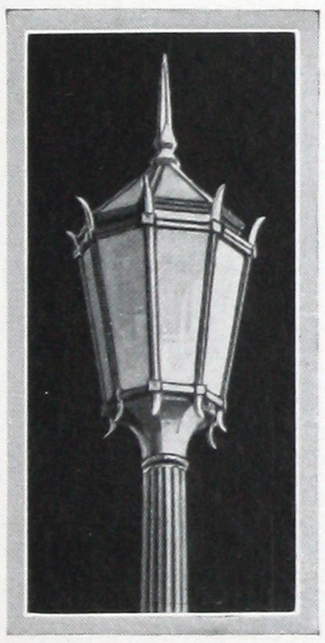
SECTION 3—BUSINESS DISTRICT LIGHTING



Design No. 807 with G. E. Form 12 Novalux Unit. M Casing No. 104, 16" globe. Shaft tapers from 7½" to 5".

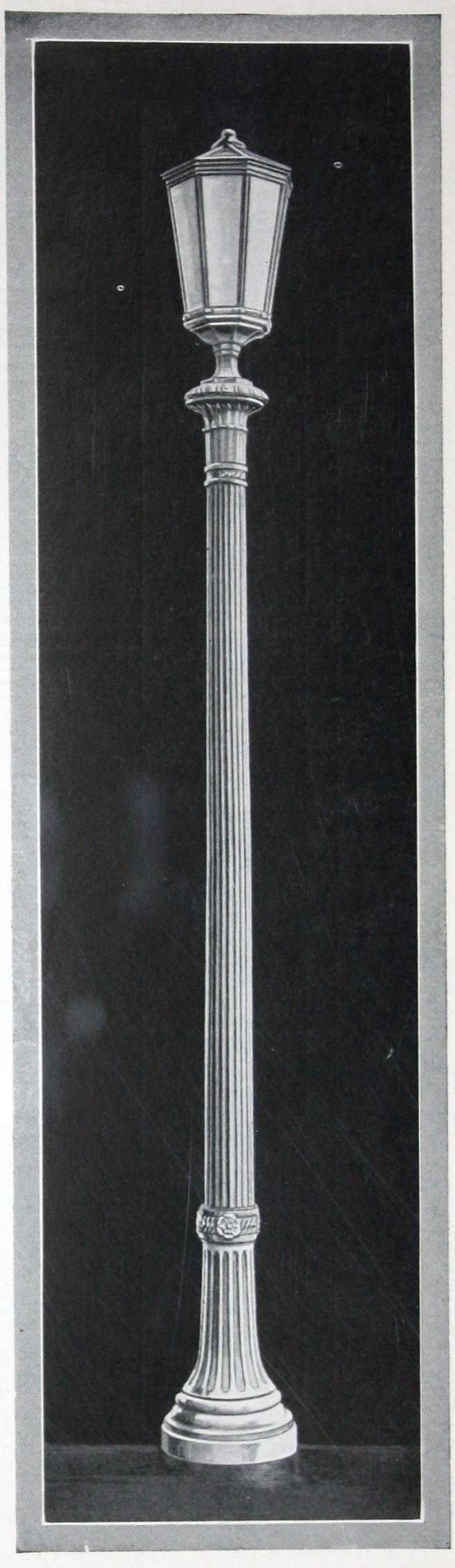
G. E. Form 12 Novalux Unit N Casing No. 97 — 17" Globe adapted to Design 807 without any change in shaft diameter.

G. E. Form 9 Novalux Unit. In this case shaft tapers from 7½" to 6" but design still remains 807.



G. E. Form 18 Novalux Lantern. "R" Casing. Shaft tapers from 7½" to 5". This design adapted for lantern is known as Union Metal No. 1842.

G. E. Form 18 Novalux Lantern. "R" Casing. In this case shaft is fitted with Union Metal Capital drilled to receive Form 18 Lantern and design is known as Union Metal 1356.



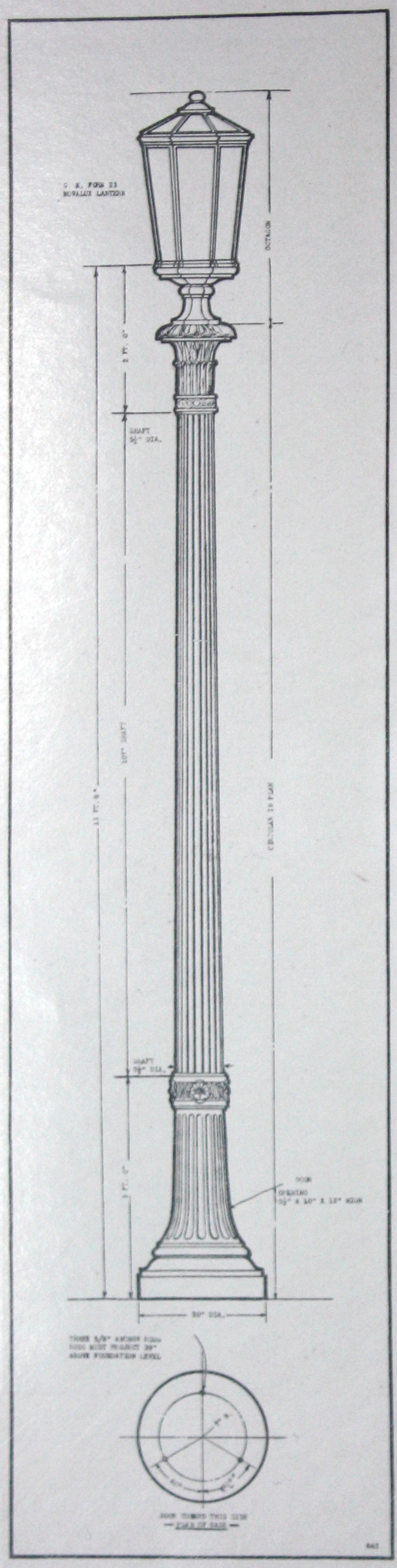
Design 842 with Union Metal Capital and G. E. Form 23 Novalux Lantern. Shaft tapers from 7½" to 5½".

Description and Specifications

Design 842 with the "Euclid Lantern" was designed by co-operation between city of Cleveland Architects and Engineers, The General Electric Company, and The Union Metal Mfg. Company. The original installation of 500 in Cleveland has grown to nearly 5000 during the past eight years. This design with its modification known as Union Metal No. 807 has grown to be the most popular standard and the largest seller of any unit developed by anyone since ornamental street lighting started sixteen years ago. Cleveland, St. Paul, Allentown, South Bethlehem and Stamford, Connecticut, are a few of the many notable installations.

Detailed dimension print with further specifications will be found on the back of this page.

SECTION 3—BUSINESS DISTRICT LIGHTING



Dimension print Design No. 842. Approx. shipping weight Lighting Standard only 400 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

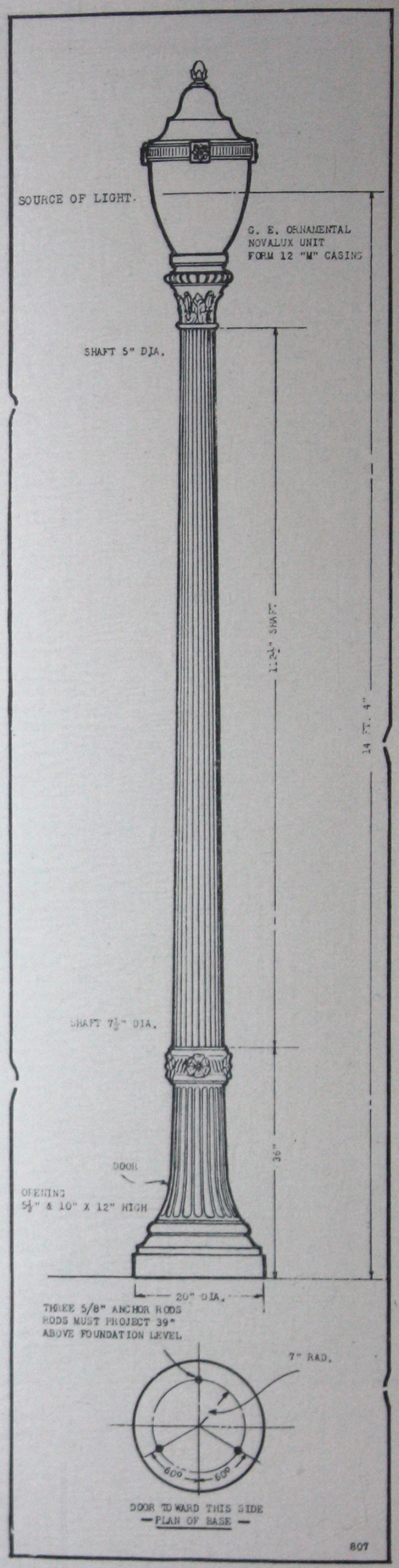
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

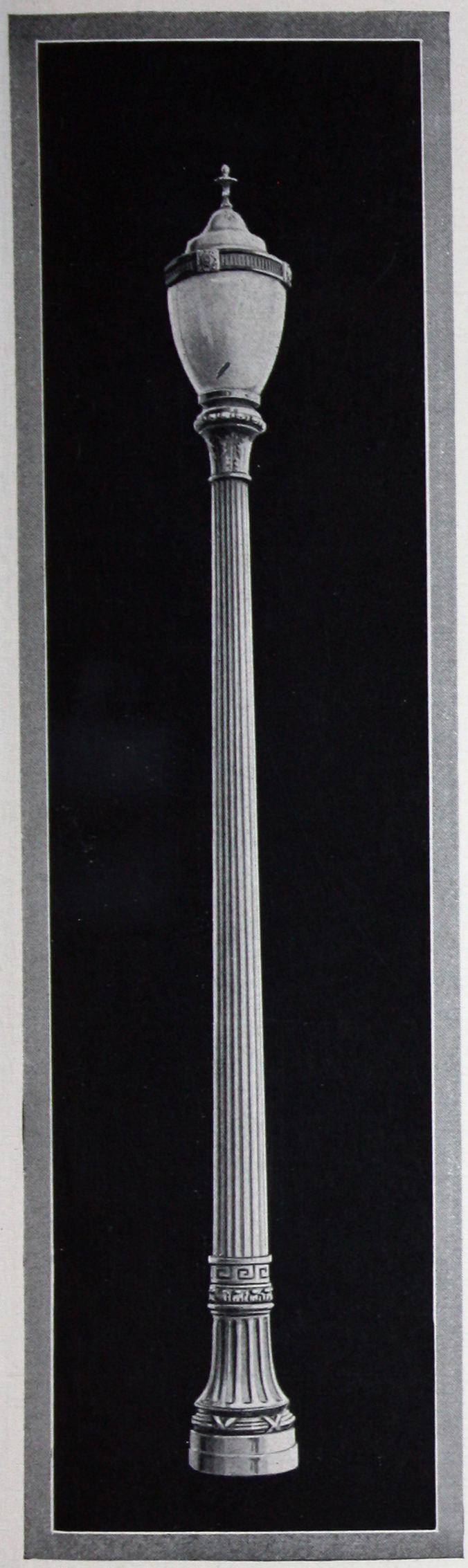
8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 807. Approx. shipping weight Lighting Standard only 290 lbs.

SECTION 3—BUSINESS DISTRICT LIGHTING

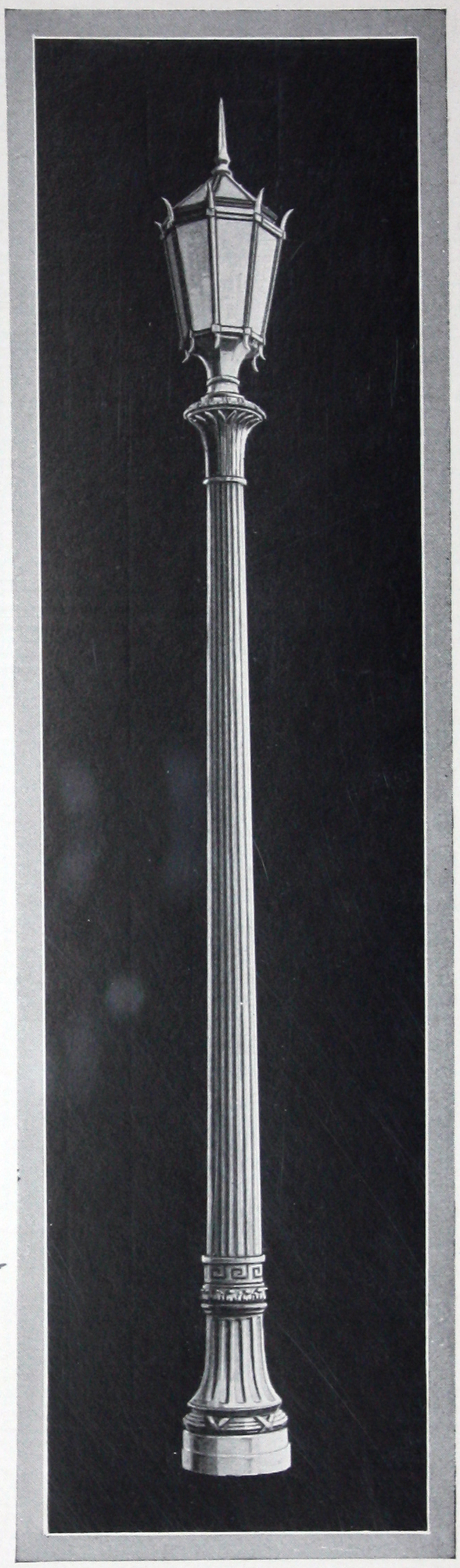


Design 1537 with G. E. Form 12 Novalux Unit O Casing and No. 103—14″ Globe, shaft tapers from 8″ to 5″.

Form 16 G. E. Novalux Unit Q Casing and No. 97—17″ globe. Shaft tapers from 8″ to 5″. Design remains No. 1537.

G. E. Form 9 Novalux Unit. In this case shaft tapers from 8″ to 6″ but design remains No. 1537.

G. E. Form 17 Novalux Unit (Harp Type). In this case shaft tapers from 8″ to 6″ but design remains No. 1537.

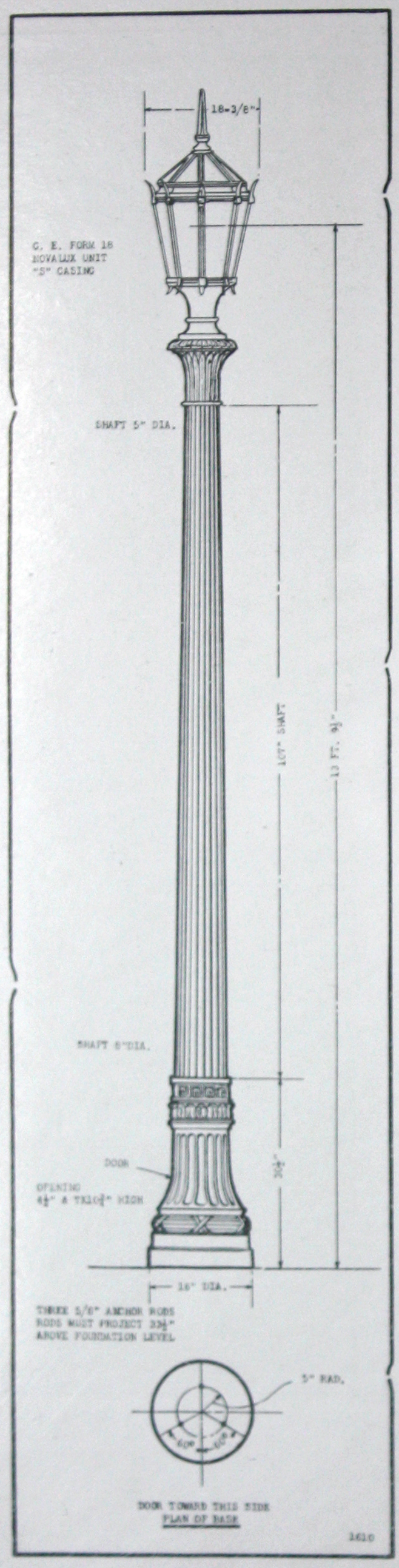


Design 1610 with Union Metal Capital drilled to receive G. E. Form 18 Novalux Lantern (18″ small size "S" Casing or 21″ large size "R" Casing). Shaft tapers from 8″ to 5″.
Large size shown.

Description and Specifications

This is one of the Union Metal eight inch diameter designs that may be variously tapered to accommodate the full range of G. E. Novalux and Lantern types of lighting units. Five of the combinations are shown on this page.

Detailed dimension print with further specifications will be found on the back of this page.



Dimension print Design No. 1610. Approx. shipping weight Lighting Standard only 260 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

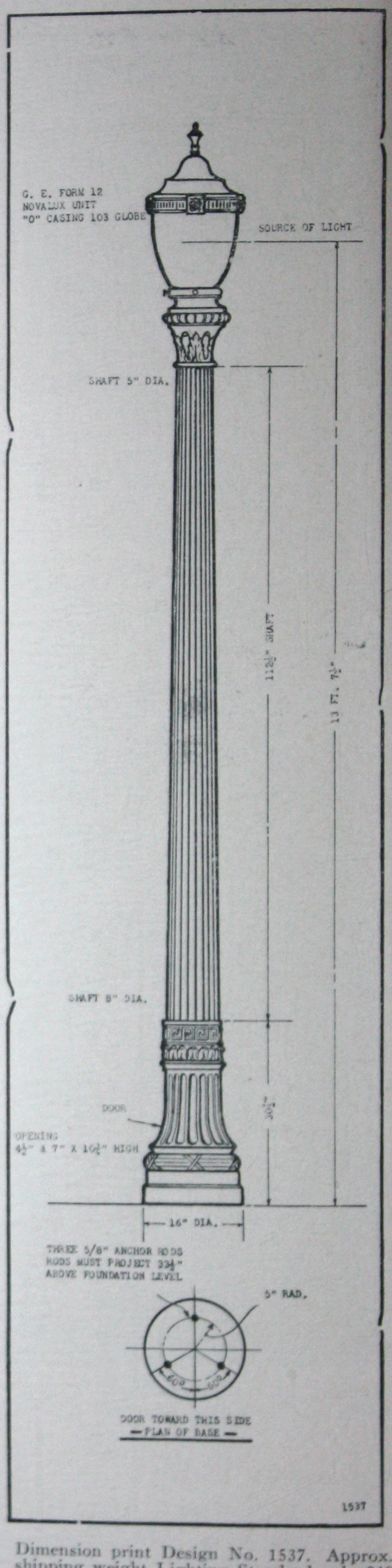
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

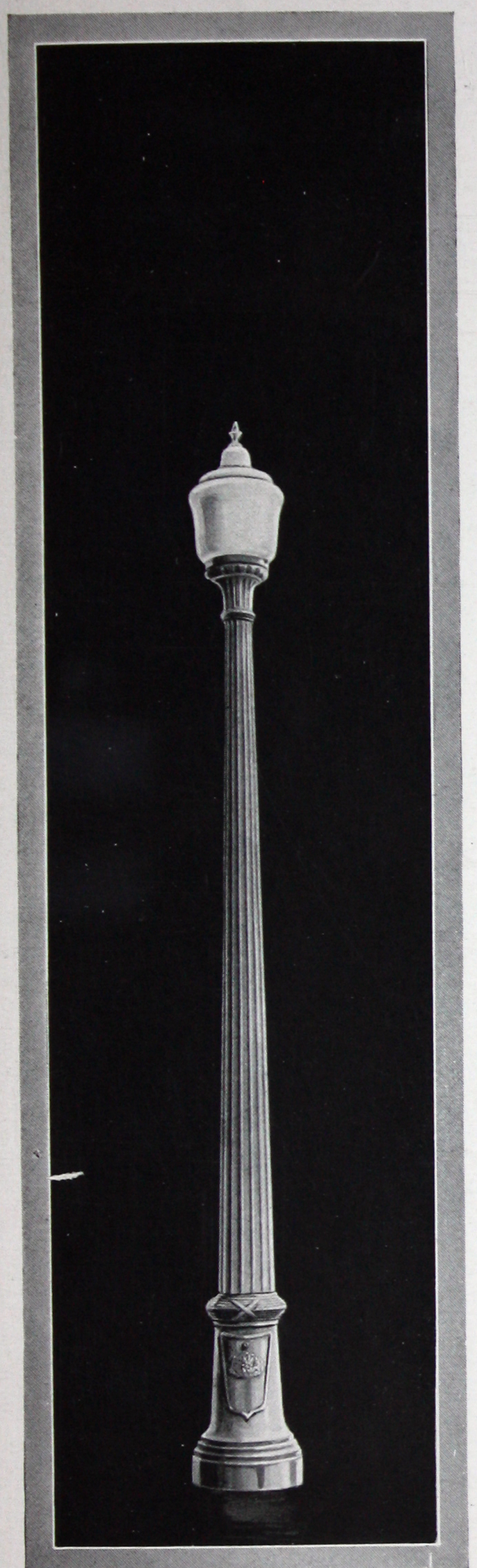
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.

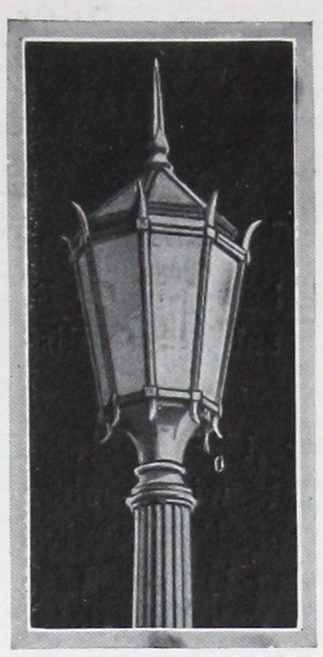


Dimension print Design No. 1537. Approx. shipping weight Lighting Standard only 240 lbs.

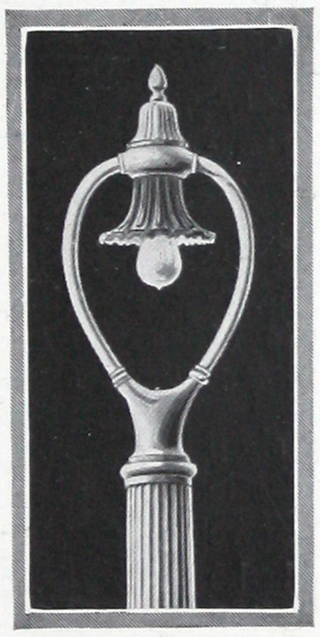


Design 1538 with G. E. Form 8 Novalux Unit 13″ globe. Shaft tapers from 8″ to 4″.

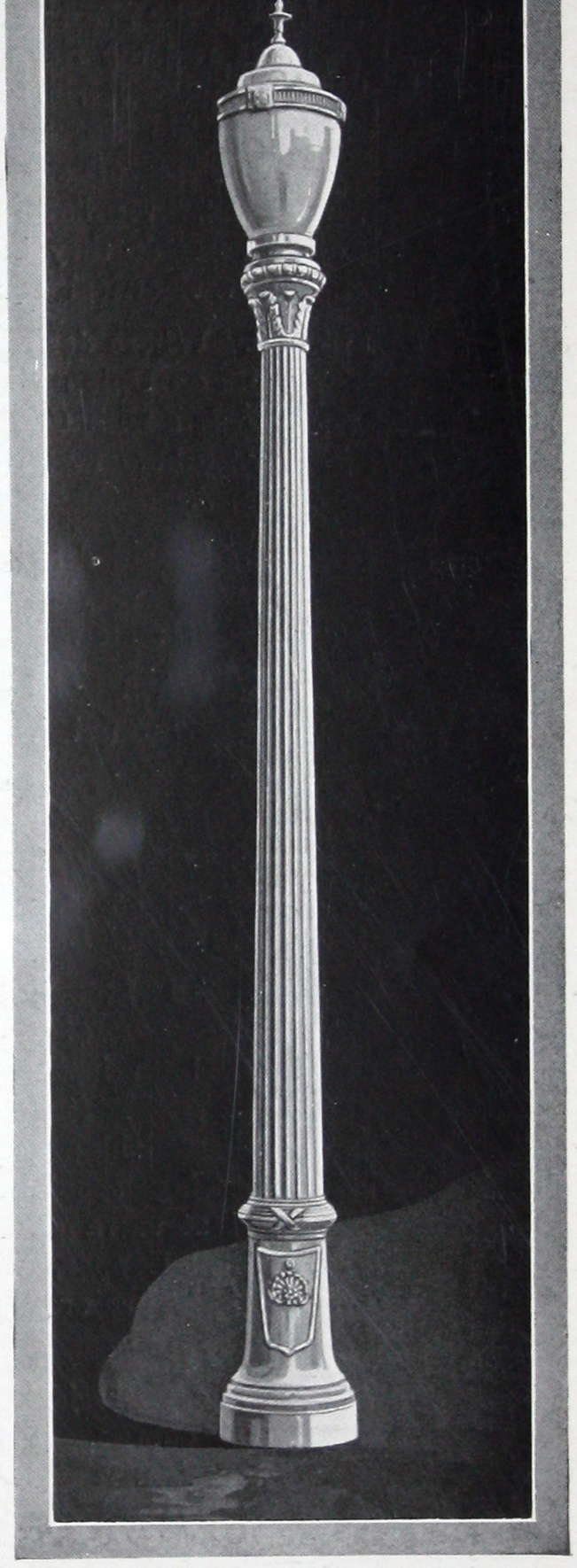
G. E. Form 9 Novalux Unit 16″ globe. Shaft tapers from 8″ to 6″ but design remains No. 1538.



G. E. Form 18 Novalux Lantern (18″ small size "S" Casing or 21″ large size "R" Casing). Shaft tapers from 8″ to 4″ small lantern and 8″ to 5″ for large lantern. This design adapted for lanterns is known as Union Metal No. 1357.



G. E. Form 17 Novalux Unit. (Harp Type). In this case shaft tapers from 8″ to 6″ but design remains No. 1538.



Design 1538 with G. E. Form 12 Novalux Unit. O Casing and No. 103—14″ globe. Shaft tapers from 8″ to 5″.

Description and Specifications

This is the largest selling 8″ shaft design in the Union Metal line. It is pleasing in appearance, yet has always been sold at a price so reasonable that many buyers have been attracted to it. From the combinations above shown, it will be noted that this unit may be variously tapered to accommodate the full range of Novalux Units and Lanterns, requiring top shaft diameters of 6″, 5″ or 4″. Many thousands of this design are installed in hundreds of cities and towns all over the country where low first cost was considered essential.

Detailed dimension print with further specifications will be found on the back of this page.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

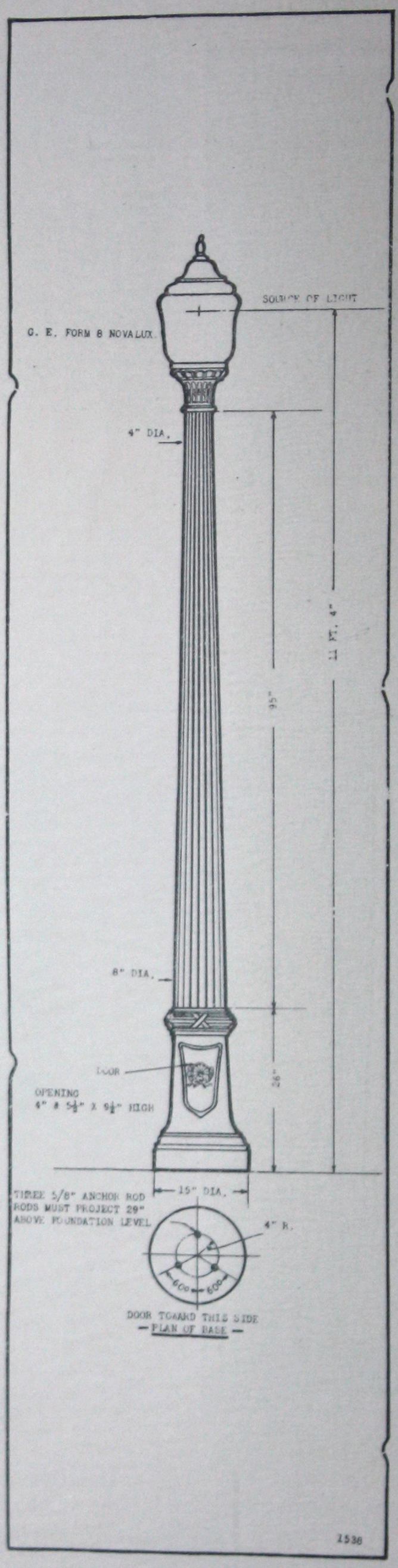
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

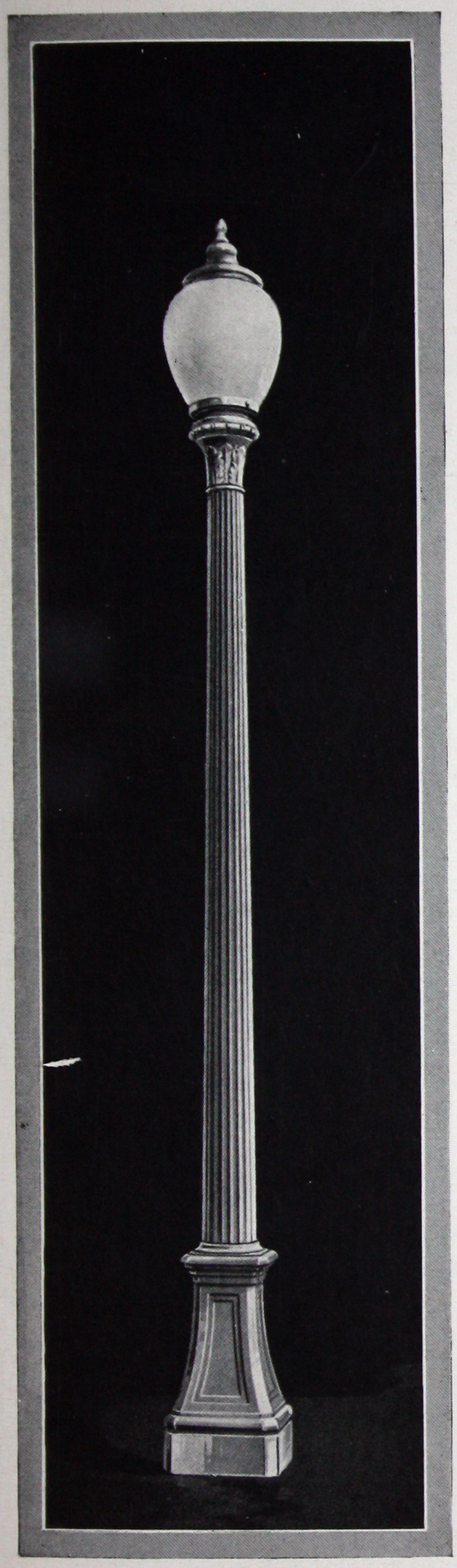
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

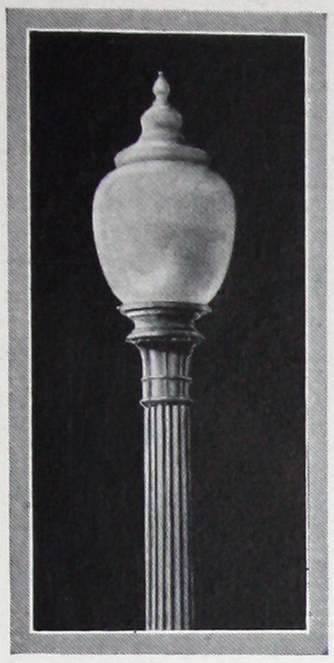
9. Always specify exact form of lighting unit that will be used on top of standard.



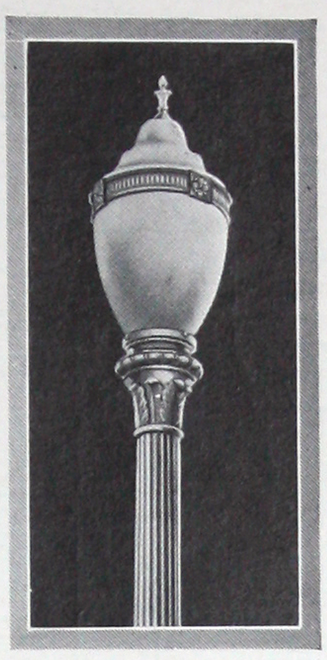
Dimension Print Design No. 1538. Approx. shipping weight Lighting Standard only 195 lbs.



Design 877 with G. E. Form 12 Novalux Unit. N Casing No. 97—17". Globe shaft tapers from 8" to 5".

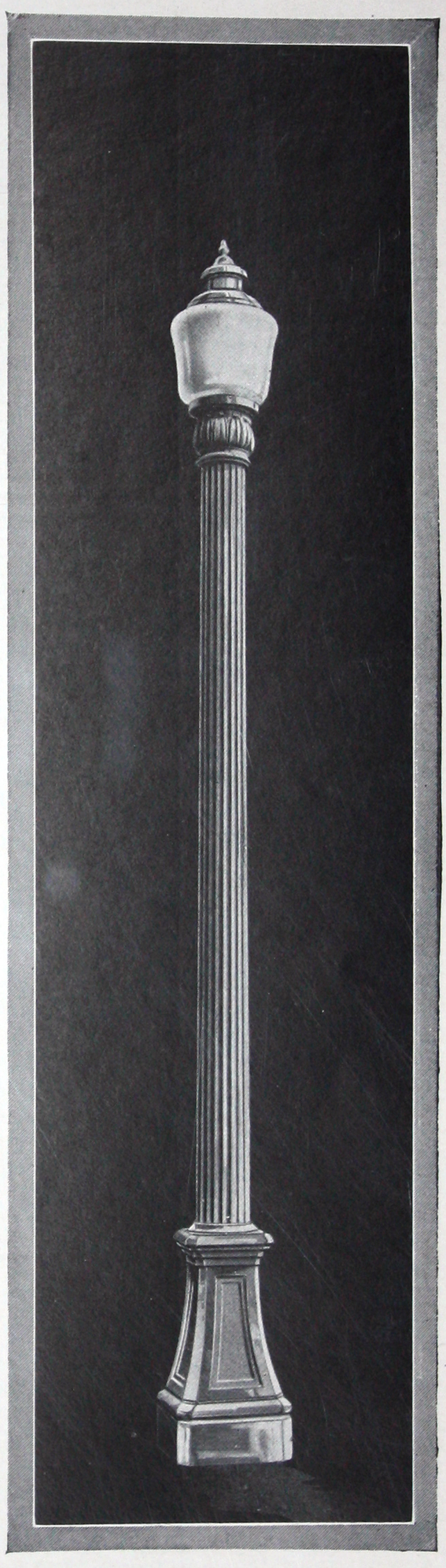


Form 16 G. E. Novalux Unit Q Casing and No. 97—17" globe. Shaft tapers from 8" to 5". Design remains No. 877.

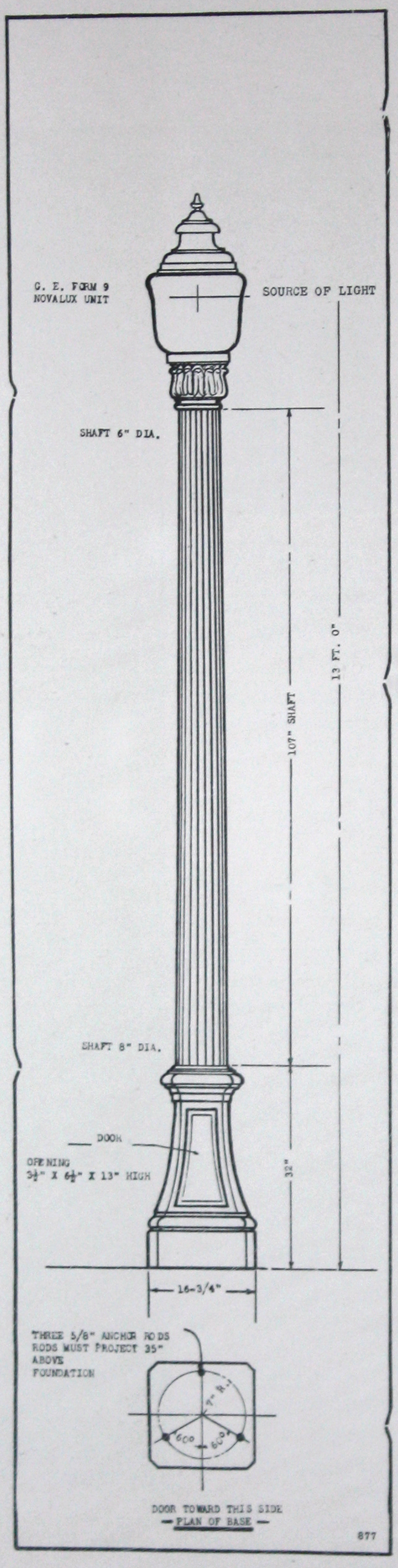


Form 12 G. E. Novalux Unit. O Casing and No. 103-14" globe. Shaft tapers from 8" to 5" and design remains No. 877.

Detailed dimension print with further specifications will be found on back of this page.



Design 877 with G. E. Form 9 Novalux Unit. Shaft tapers from 8" to 6".



Dimension print Design No. 877. Approx. shipping weight Lighting Standard only 260 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

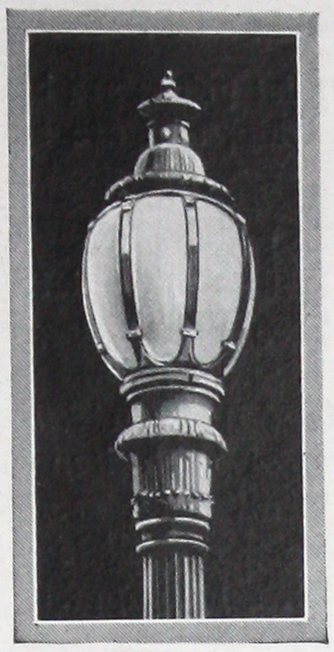
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

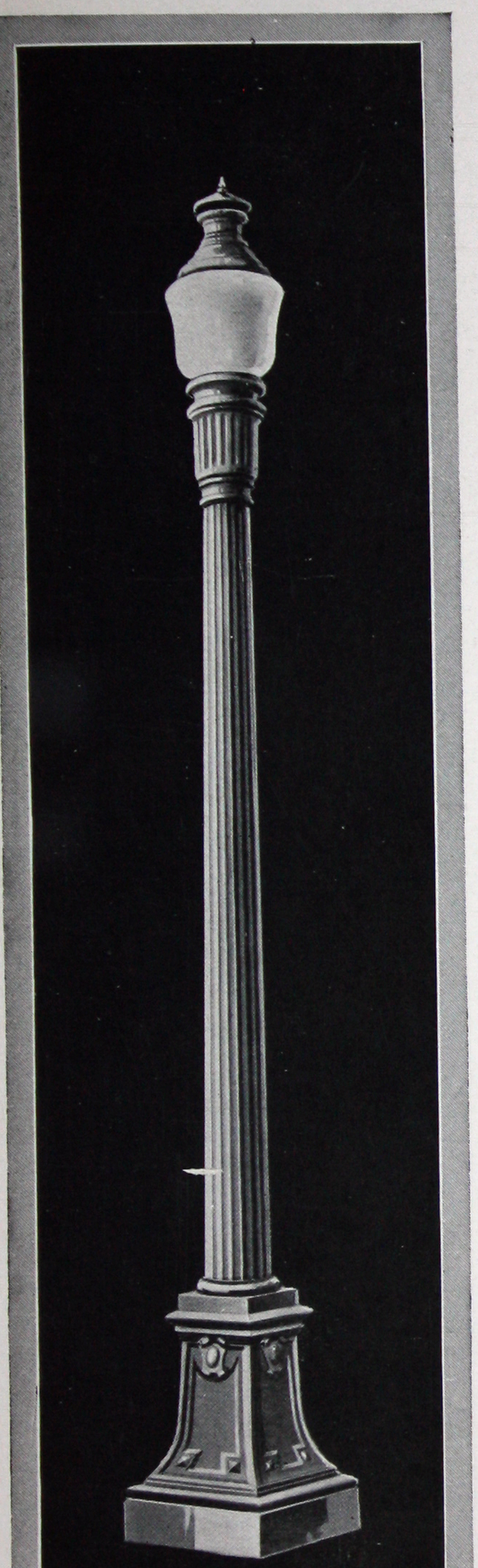
8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.

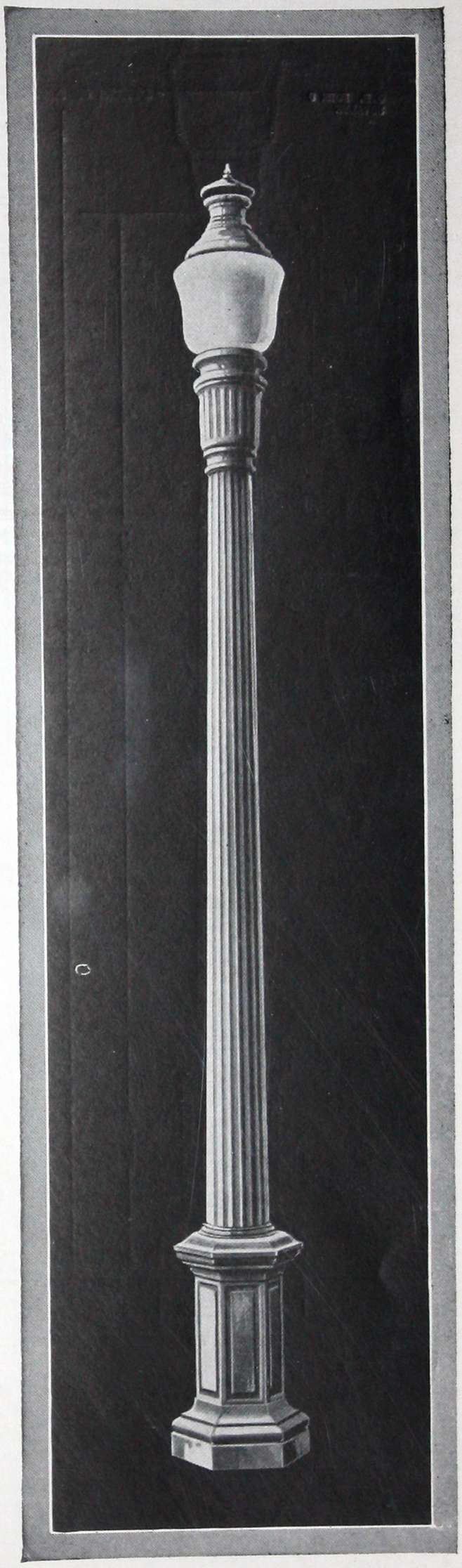


G. E. Form 18 Ornamental Luminous Arc Lamp with 8 panel globe. Adapted to either of these designs without any change in shaft diameter.

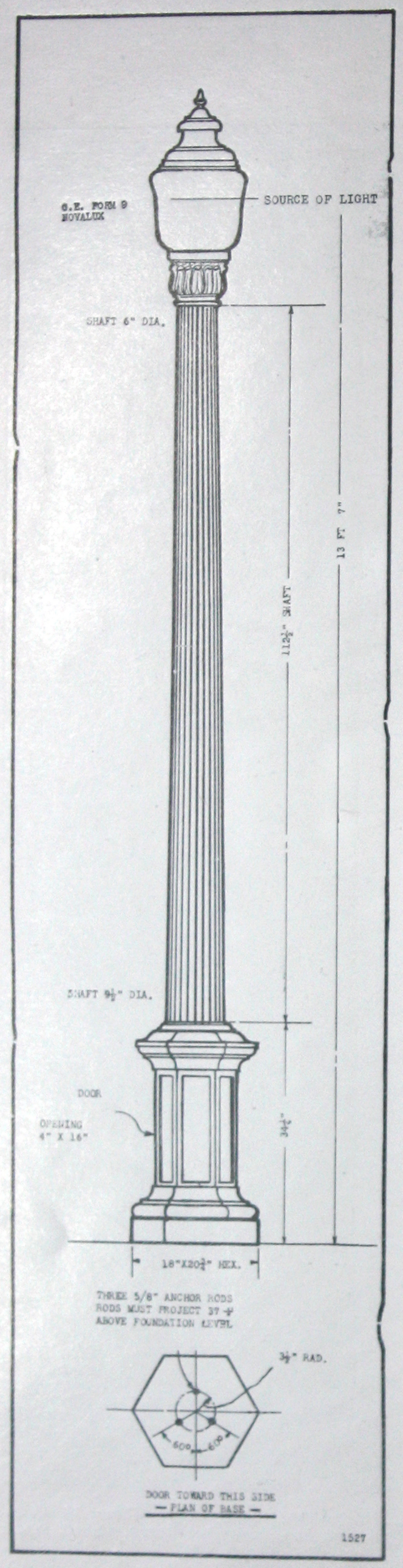
Detailed dimension print with further specifications will be found on back of this page.



Design 1526 with G. E. Form 10 Ornamental Luminous Arc Lamp. Shaft tapers from 9½" to 6".



Design 1527 with G. E. Form 10 Ornamental Luminous Arc Lamp. Shaft tapers from 9½" to 6".



Dimension print Design No. 1527. Approx. shipping weight Lighting Standard only 320 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

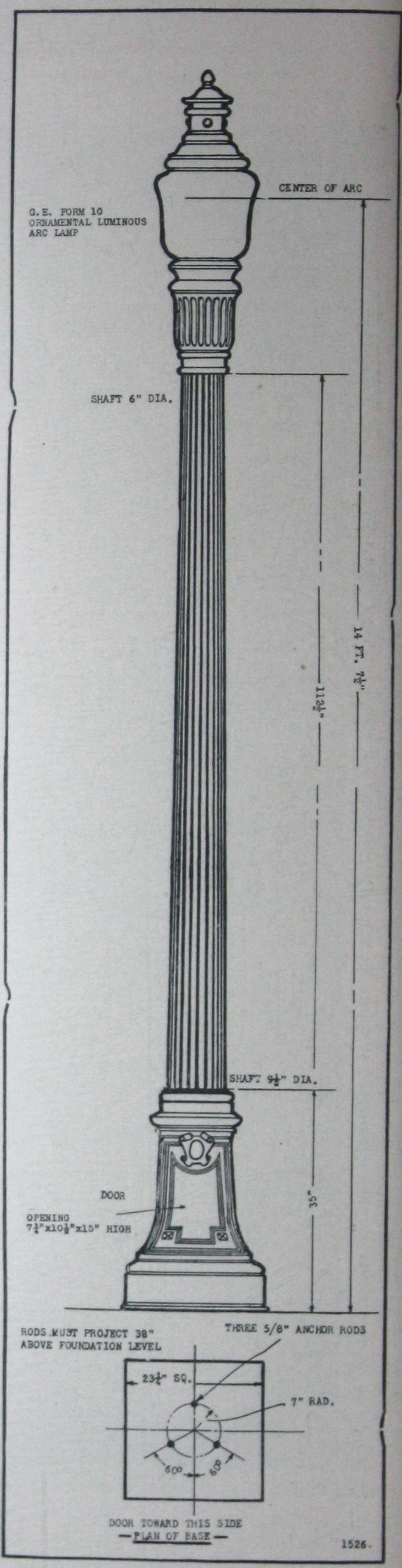
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

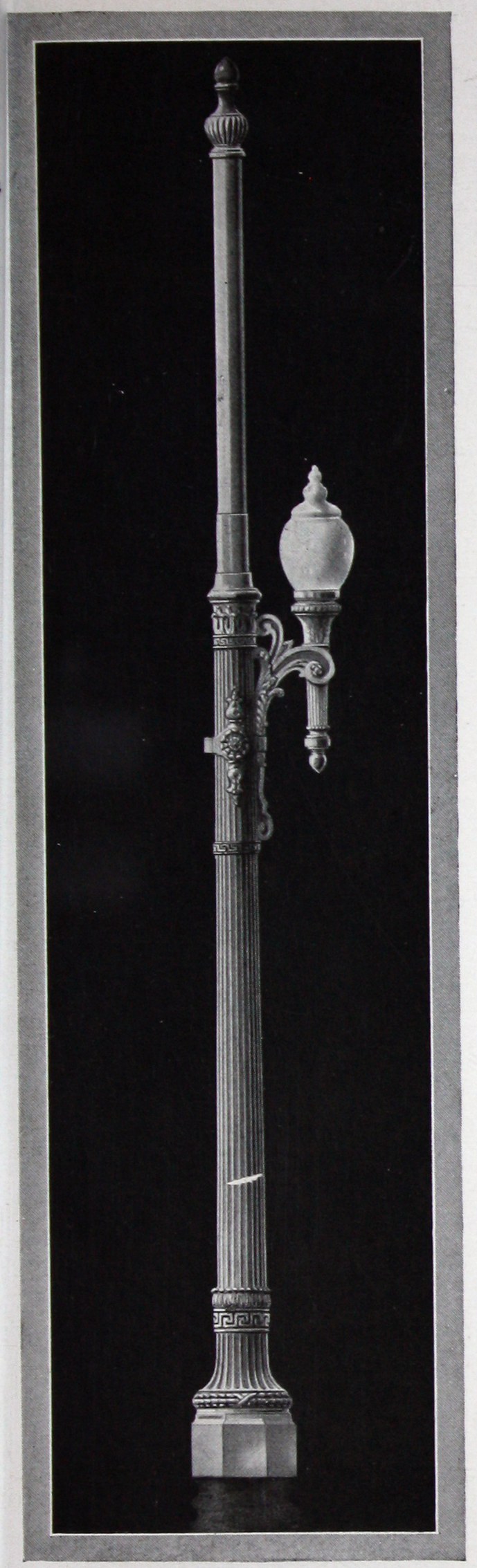
8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1526. Approx. shipping weight Lighting Standard only 390 lbs.

SECTION 3—BUSINESS DISTRICT LIGHTING



Design 1641 One Light Trolley Pole, casing type with G. E. Form 12 Novalux Unit, N Casing No. 97, 17" globe.

G. E. Form 18 Novalux Lantern, "R" Casing.

(Enlarged size showing closer view of bracket mounting).

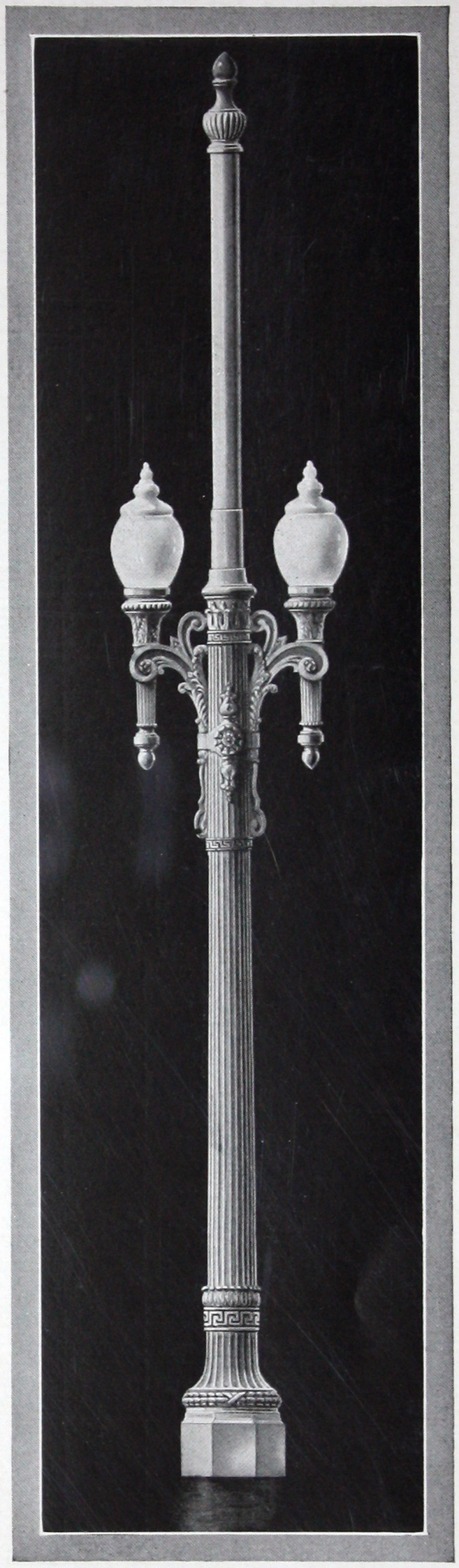
G. E. Form 10 Ornamental Luminous Arc Lamp.

(Enlarged size showing closer view of bracket mounting).

Description and Specifications

These two trolley pole casing designs were first made for Gloversville, New York. By combining Lighting Standards and trolley poles, the number of sidewalk obstructions are reduced and the otherwise plain, homely trolley poles are covered and ornamented.

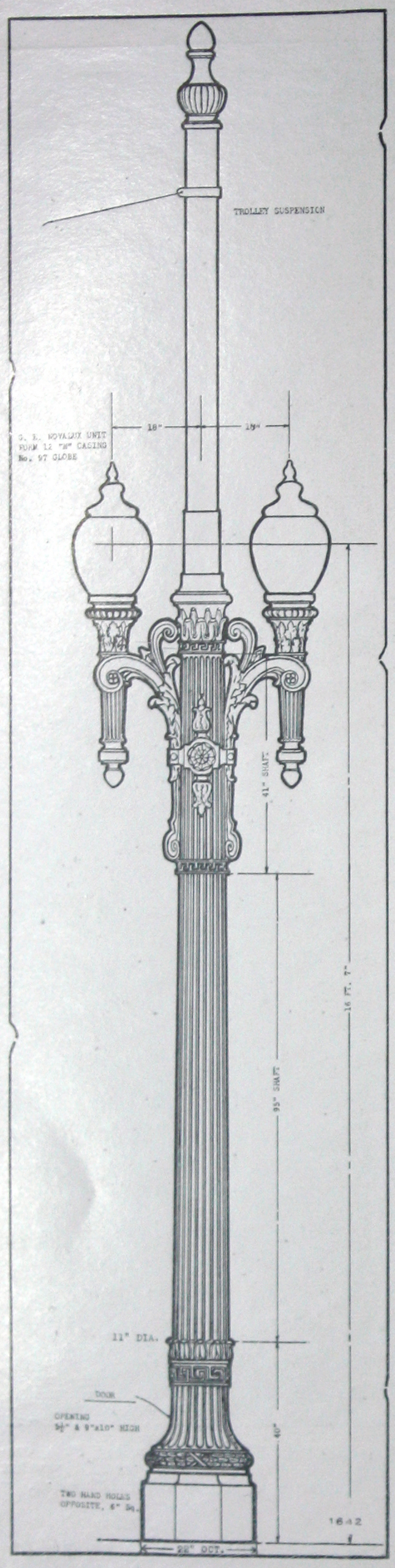
Time is more and more proving that Union Metal pressed steel construction is the only practical method of ornamental casing standard.



Design 1642 Two Light Trolley Pole, casing type with G. E. Form 12 Novalux Units, N Casing No. 97, 17" globe.

These standards are designed to encase a standard 7", 6", 5" tubular steel trolley pole. A standard 8", 7", 6" tubular steel pole can be accommodated by increasing shaft 1 foot in length, making the light source 17' 7" above the ground line.

Detailed dimension print with further specifications will be found on back of this page.



Dimension print Design No. 1642—2 light. Approx. shipping weight Lighting Standard only (exclusive of tubular steel trolley pole) 810 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles but they will be quoted upon and furnished by us when desired.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

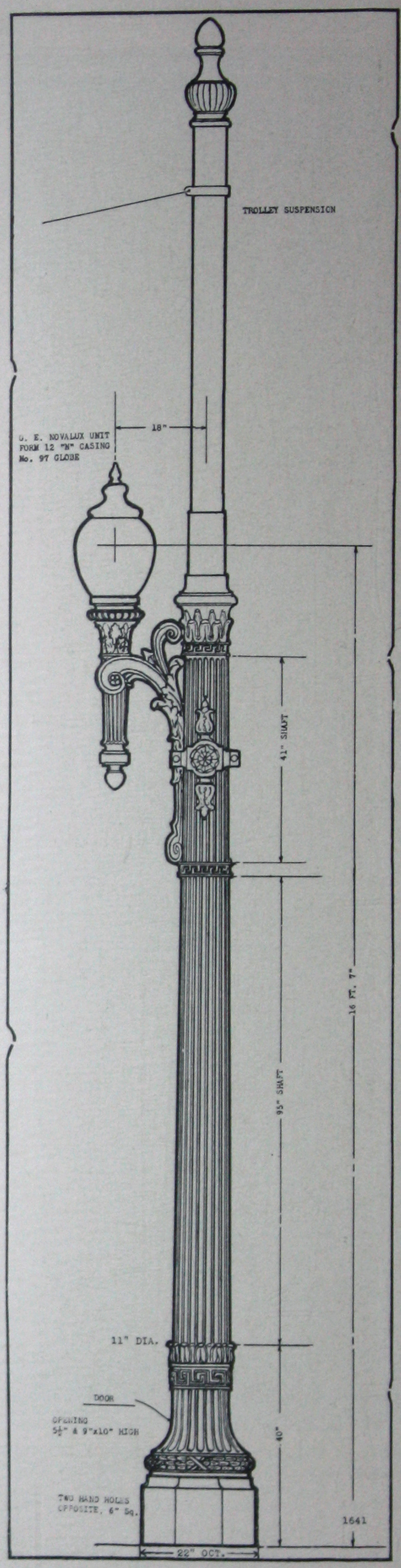
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

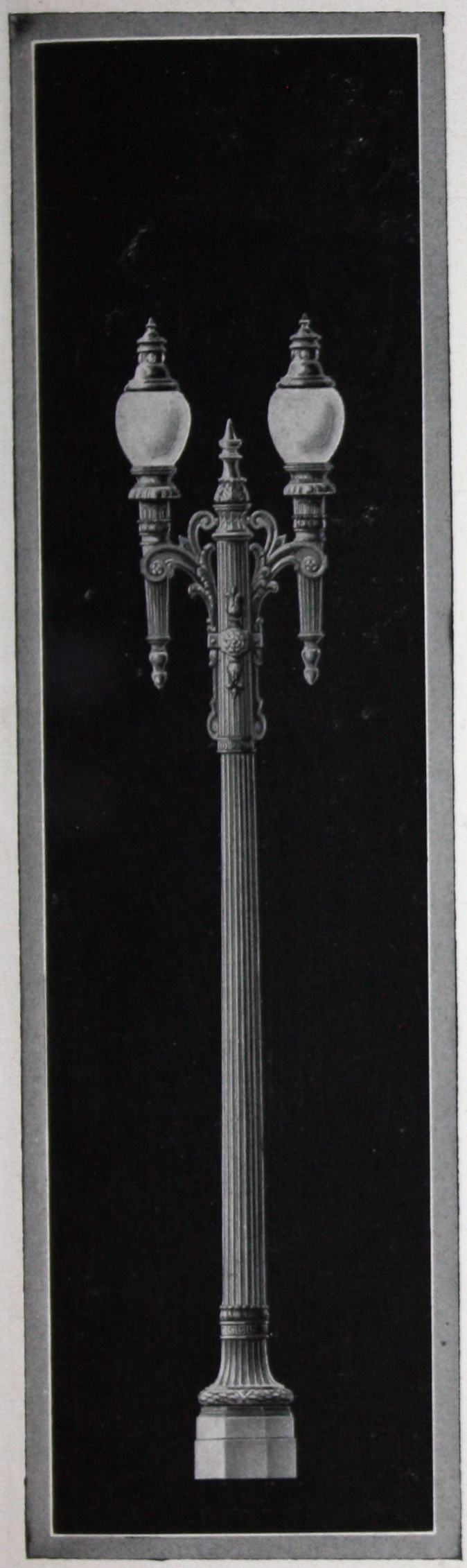
6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify exact form of lighting unit that will be used on top of standard.

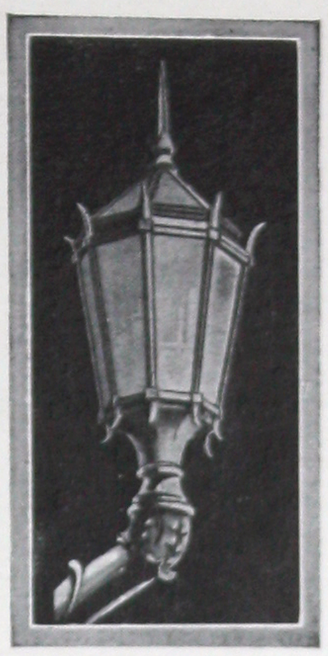


Dimension print Design No. 1641—1 light. Approx. shipping weight Lighting Standard only (exclusive of tubular steel trolley pole) 680 lbs.



Design 1655—2 Light fitted with G. E. Form 10 Ornamental Luminous Arc Lamps. Standard 19 ft. to light source.

G. E. Form 9 Novalux Unit adapted to Design 1655 only. (Enlarged size showing closer view of bracket mounting).



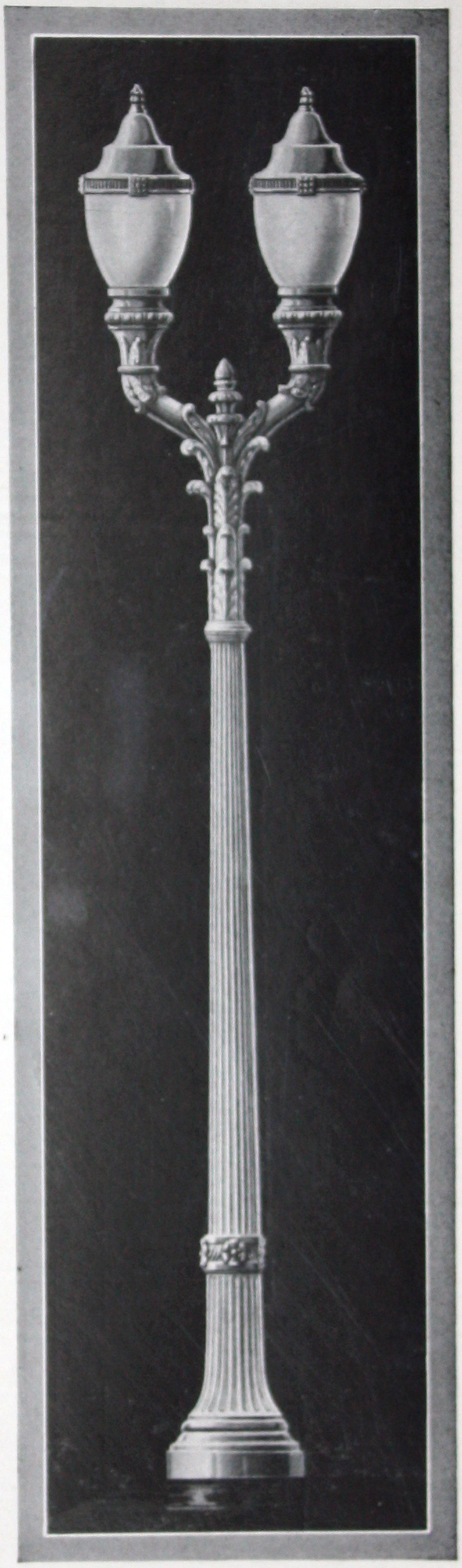
G. E. Form 18 Novalux Lantern 18" small size "S" Casing. May be adapted to Design No. 1663.

Description and Specifications

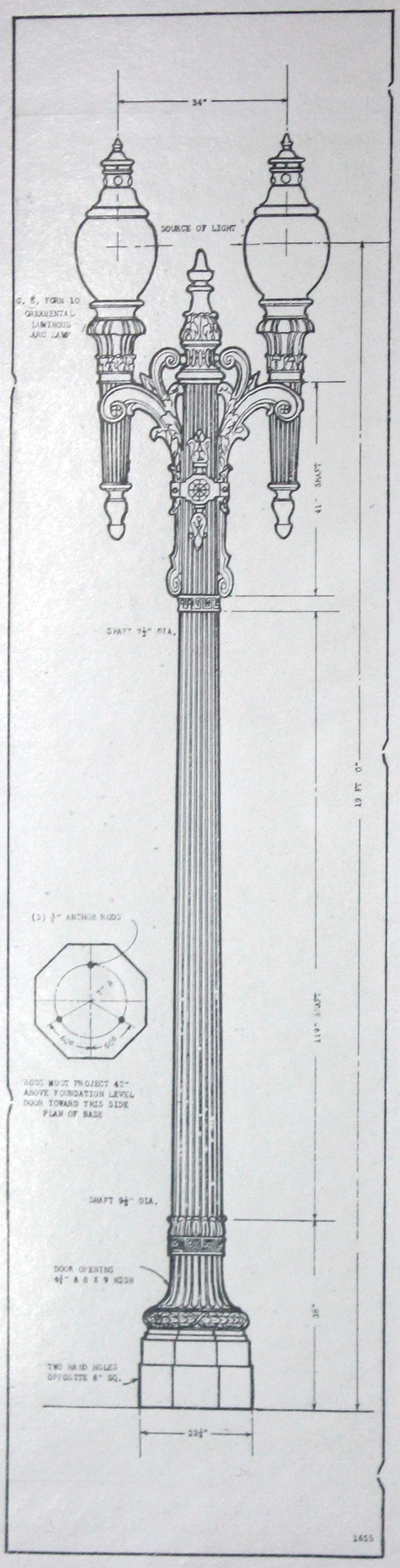
Design 1655 corresponds to design 1642 shown on pages B-218 and B-219 except that it is shown here with regular Union Metal anchor rod and tie rod construction and is not used in combination with tubular steel trolley pole.

The Union Metal principle of "greatest strength for least weight" permits the installation of these handsome, large standards without constantly fearing the possible loss of life and property due to the shattering and falling of brittle standards.

Detailed dimension print with further specifications will be found on back of this page.



Design 1663—2 Light fitted with G. E. Form 12 Novalux Units. M Casing No. 104—16" globe. Shaft tapers from 7½" to 4½".



Dimension print Design No. 1655—2 Light. Approx. shipping weight Lighting Standard only 870 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

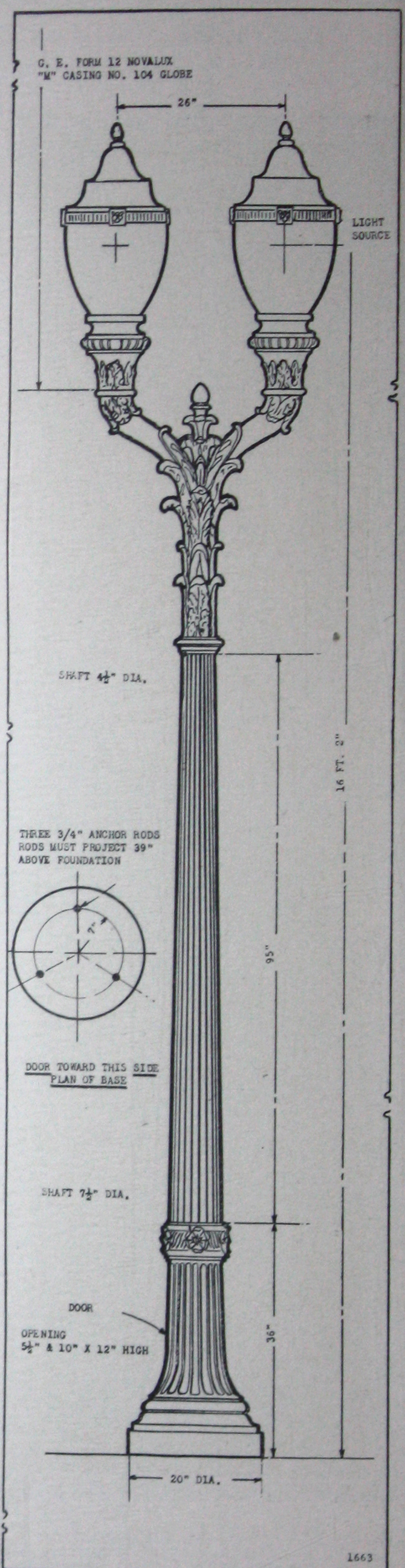
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

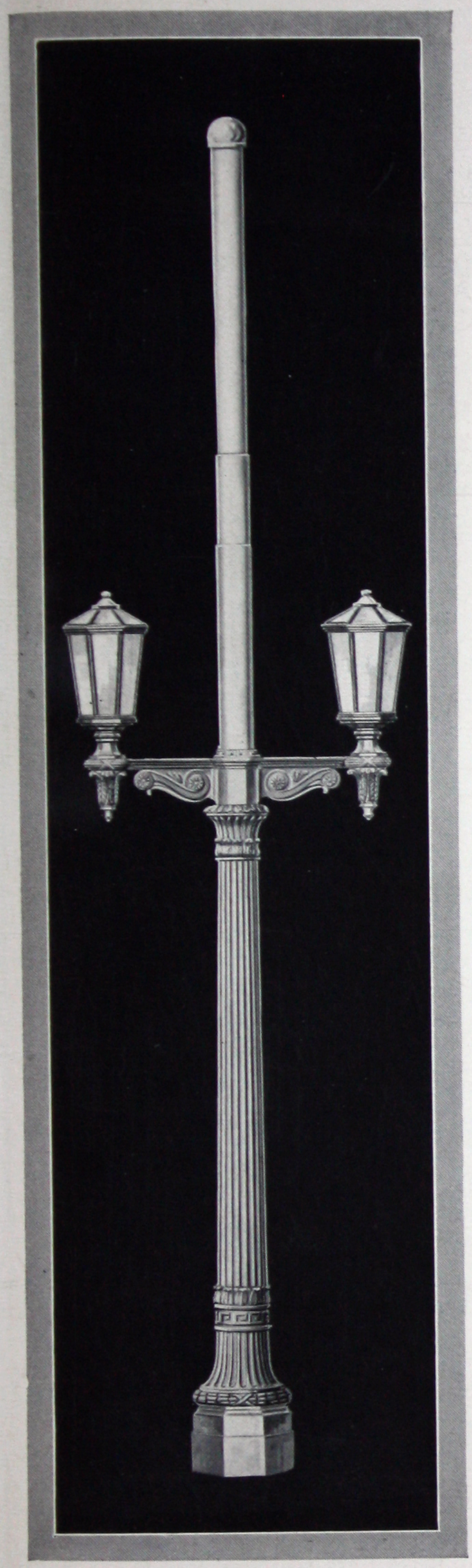
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1663—2 Light. Approx. shipping weight Lighting Standard only 445 lbs.



Design 1876—2 Light Trolley Pole, casing type with G. E. Form 23 Novalux Lanterns.

G. E. Form 18 Novalux Lantern. 21" large size "R" Casing for use with these designs.

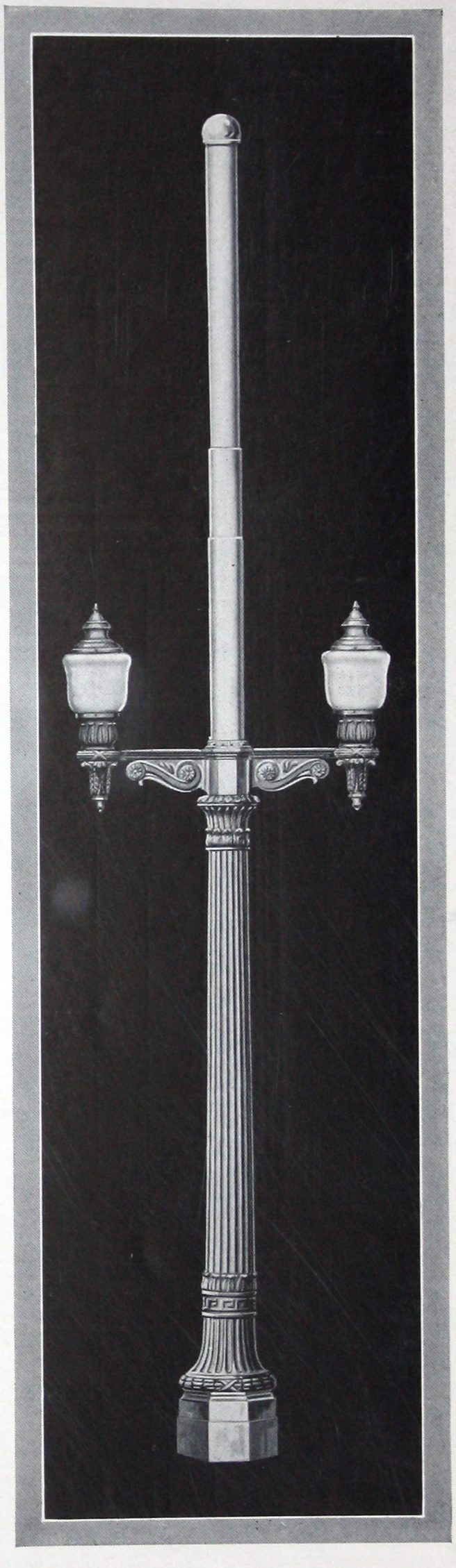
(Enlarged size showing closer view of bracket mounting.)

Description and Specifications

These standards were first designed for Durham, N. C. They are comparatively inexpensive types for trolley pole casing service and permit the electrical cables to run up between the ornamental casing and tubular steel trolley pole. The tubular steel trolley pole is not weakened by cutting cable holes in at the base and out at the center section; neither are cables buried where they are practically inaccessible. Union Metal Casing type construction is considered standard wherever this type of lighting equipment is installed.

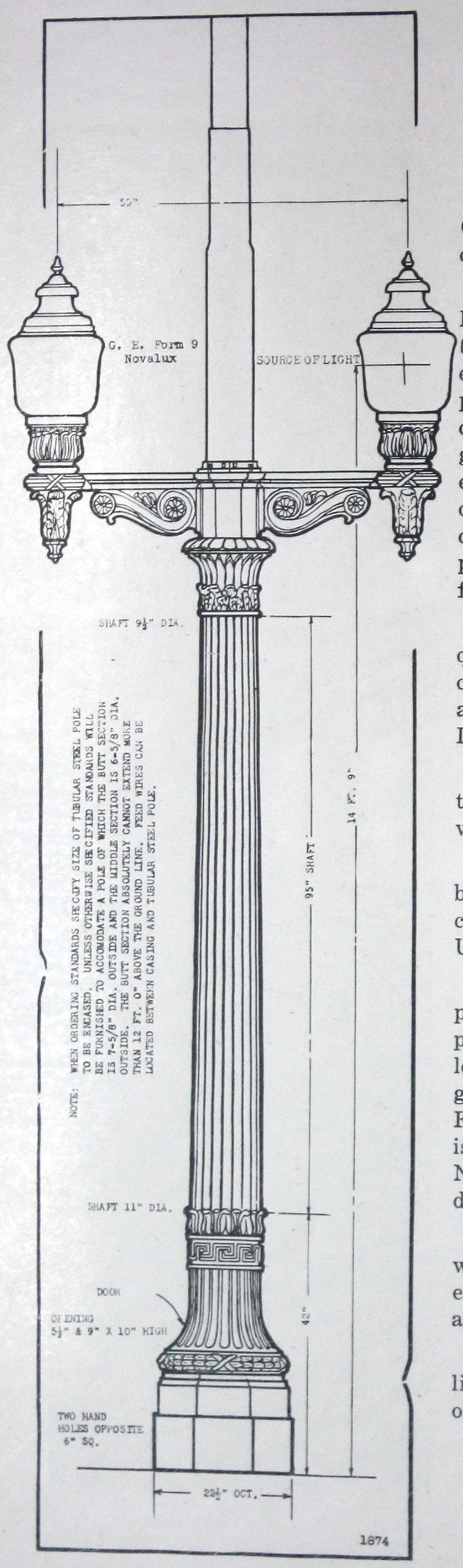
These designs accommodate standard 7", 6", 5" tubular steel trolley poles.

Detailed dimension print with further specifications will be found on back of this page.



Design 1874—2 Light Trolley Pole, casing type with G. E. Form 9 Novalux Units.

SECTION 3—BUSINESS DISTRICT LIGHTING



Dimension print Design No. 1874. Approx. shipping weight Lighting Standard only 545 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles but they will be quoted upon and furnished by us when desired.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

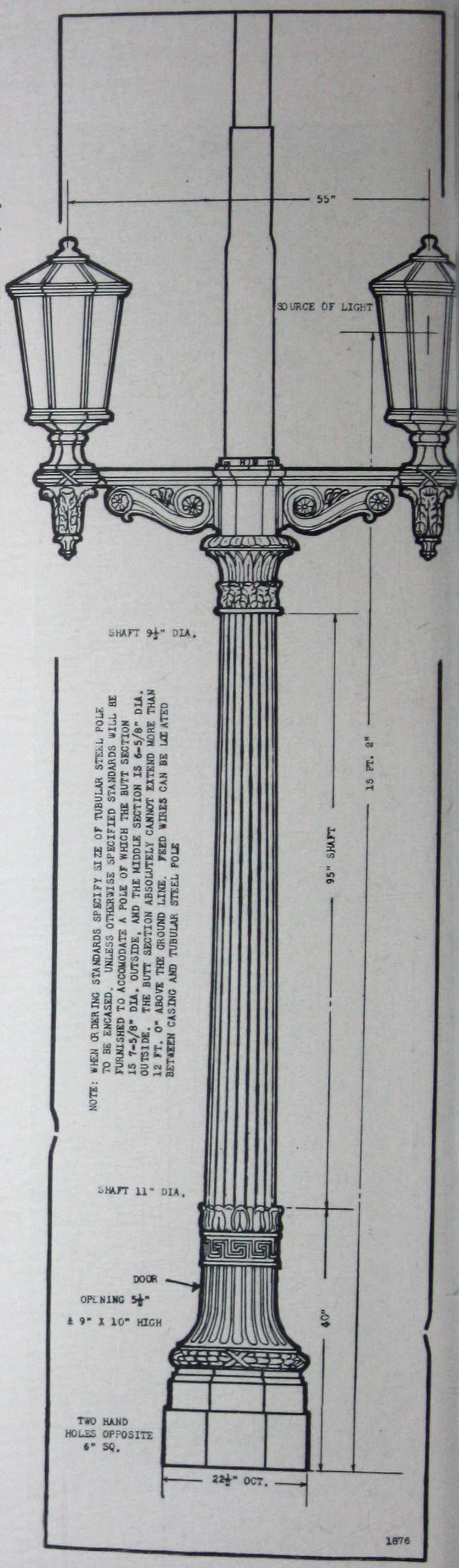
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

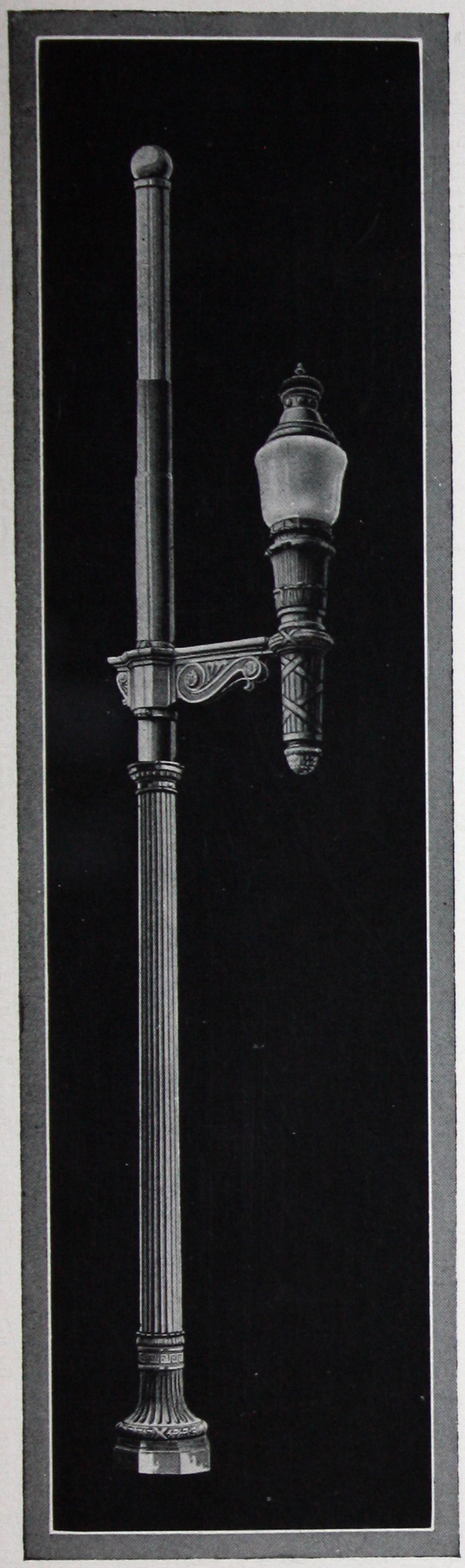
6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1876. Approx. shipping weight Lighting Standard only 730 lbs.



Design 890—1 Light Trolley Pole Casing Type Standard fitted with G. E. Form 10 Ornamental Luminous Arc Lamp.

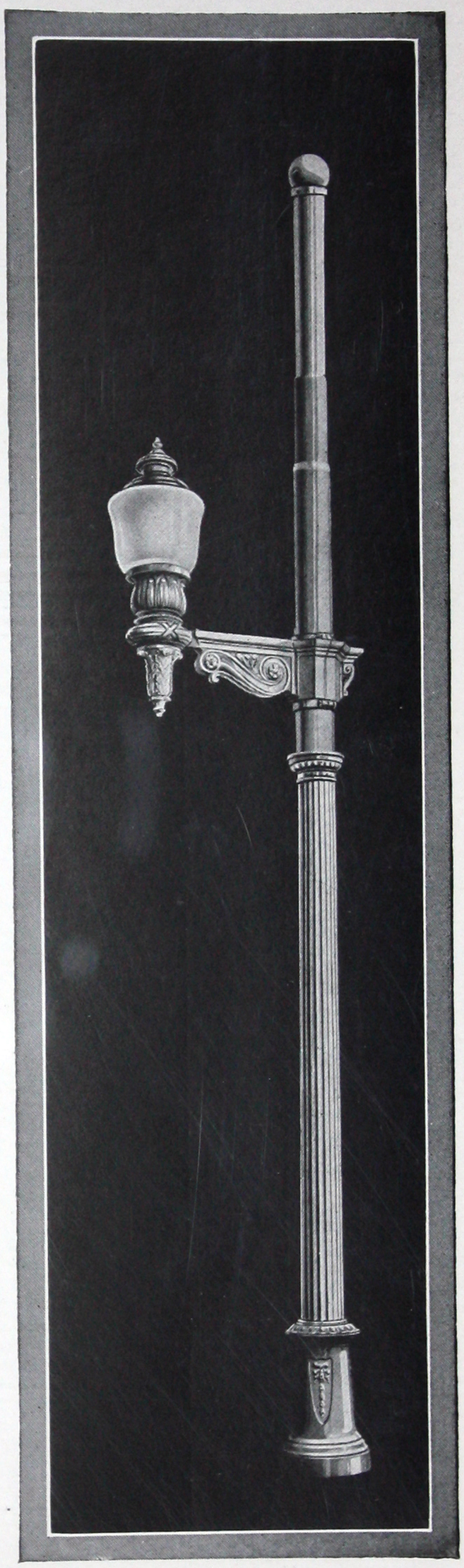
G. E. Form 18 Novalux Lantern, 21″ large size "R" Casing. Adapted to Design 901 only.

Description and Specifications

In many cases it is desirable to utilize existing trolley poles, thereby reducing the number of obstructions on the street. It costs but little more to have an ornamental lighting system instead of just an ordinary row of lights.

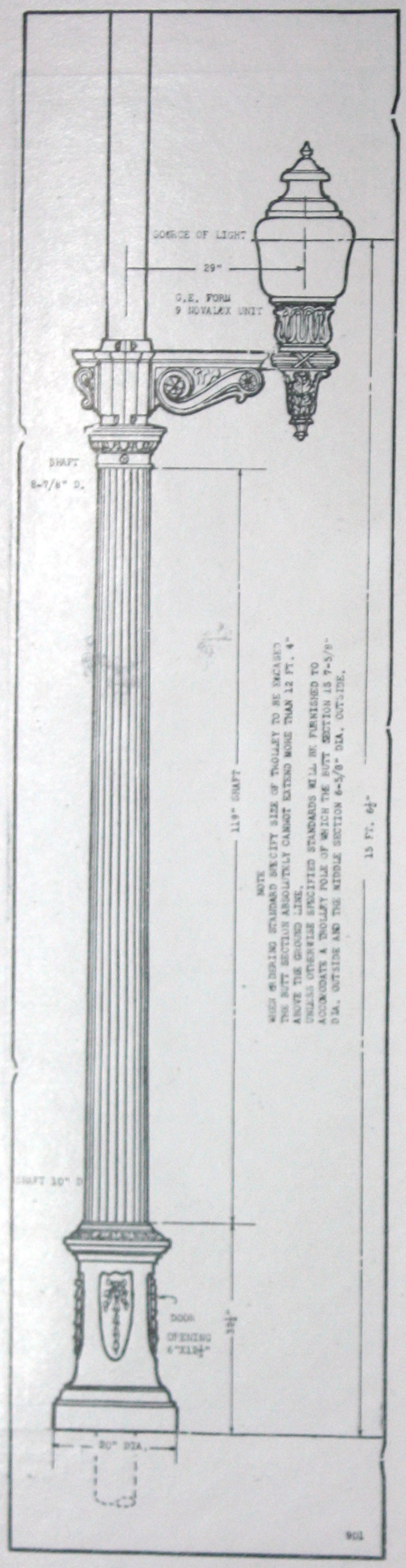
With Union Metal Casing Standards the unsightly tubular steel trolley poles are entirely concealed by the ornamental standards. Many cities throughout the country have adopted this method because they recognize in it the only practical treatment for combination trolley pole, lighting standard installations. These designs are made to encase standard 7″, 6″, 5″ tubular steel trolley poles.

Detailed dimension print with further specifications will be found on back of this page.



Design 901—1 Light Trolley Pole Casing Type Standard fitted with G. E. Form 9 Novalux Unit.

SECTION 3—BUSINESS DISTRICT LIGHTING



Dimension print Design No. 901. Approx. shipping weight Lighting Standard only 505 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles, but they will be quoted upon and furnished by us when desired.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2

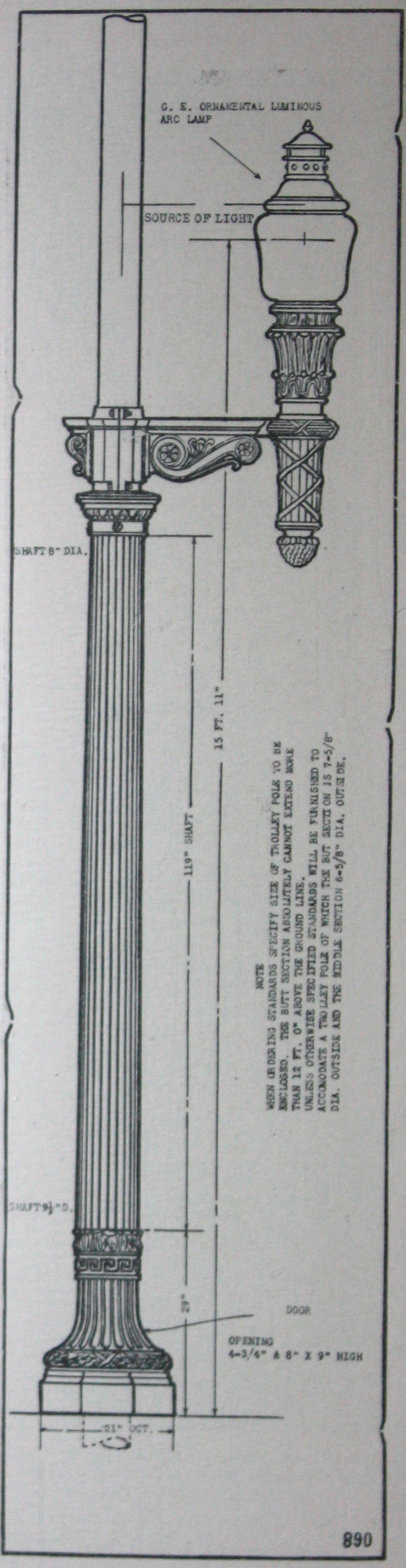
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

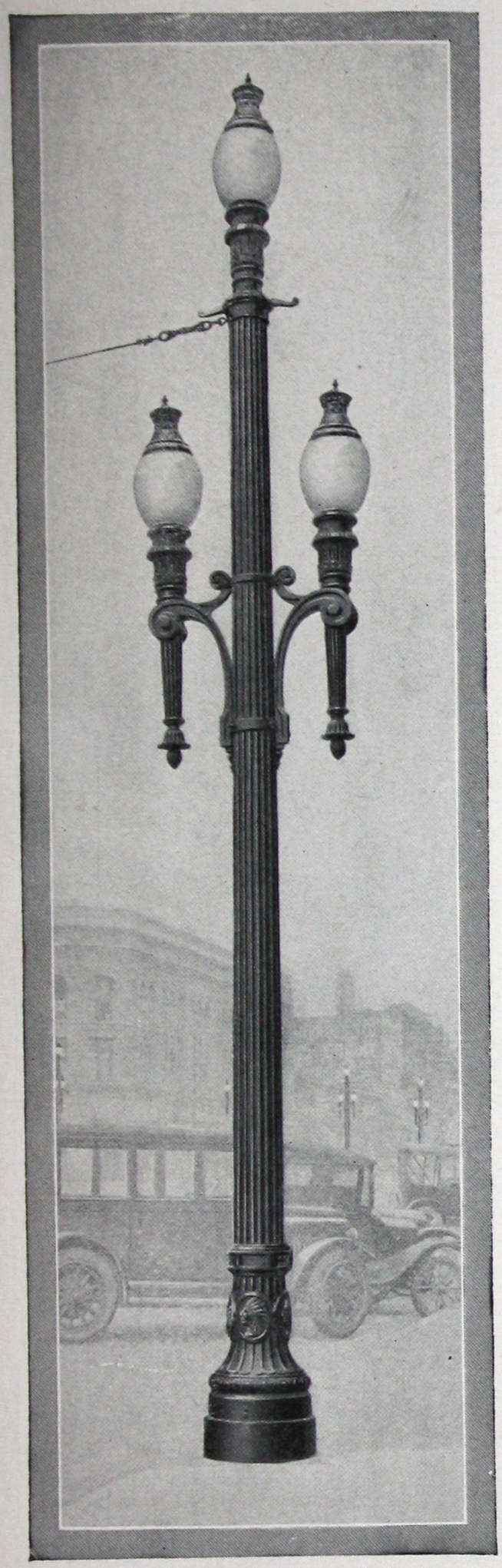
6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 890. Approx. shipping weight Lighting Standard only 490 lbs.



Design 1161—3 Light Trolley Pole Casing Type Standard, fitted with three G. E. Ornamental Luminous Arc Lamps (may also be used as two light unit.)

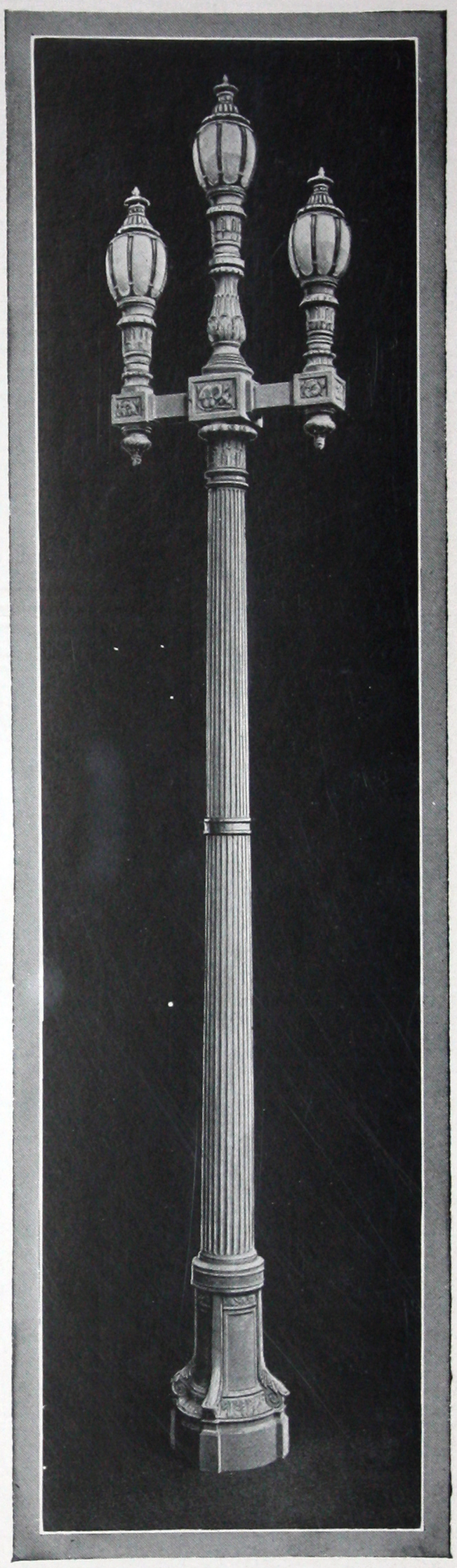
Description and Specifications

These standards were designed and built for the lighting of Salt Lake City. Design 1161 for State Street and Broadway and Design 868 for Main Street. Either design is well adapted to the lighting of prominent boulevards and wide thoroughfares.

Both designs completely telescope over tubular steel trolley poles, the trolley span wires passing through the outer ornamental casing into the inner tubular steel pole.

Design No. 1161 can be furnished with Union Metal tie rod construction, eliminating the use of trolley pole. Apply for prices for this construction.

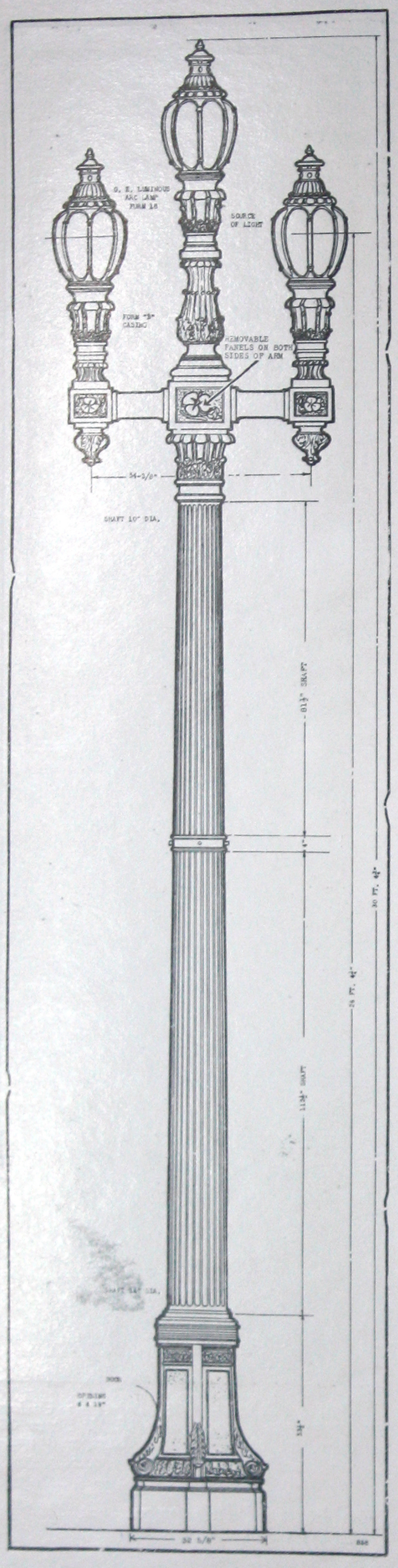
Union Metal patented pressed metal construction is the only one that can be practically and successfully applied to the manufacture of standards of this design and size. The production of these standards clearly reflects our ability to produce the largest and most difficult designs.



Design 868—3 Light Trolley Pole Casing Type Standard fitted with G. E. Form 18 Ornamental Luminous Arc Lamps, 8 panelled globes.

Detailed dimension print with further specifications will be found on back of this page.

SECTION 3—BUSINESS DISTRICT LIGHTING



Dimension print Design No. 868. Approx. shipping weight Lighting Standard only 1670 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles, but they will be quoted upon and furnished by us when desired.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

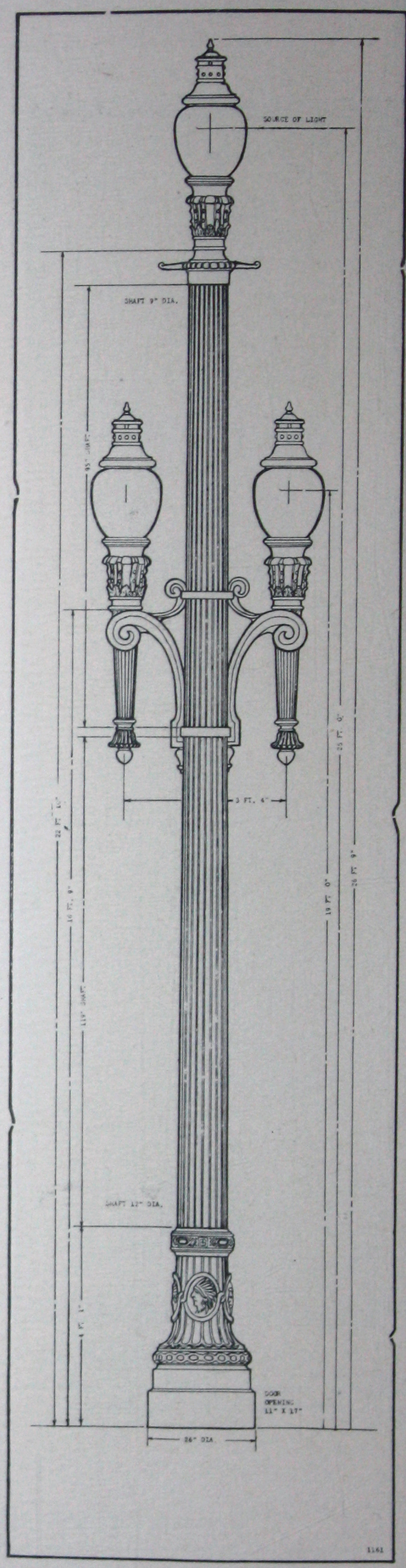
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

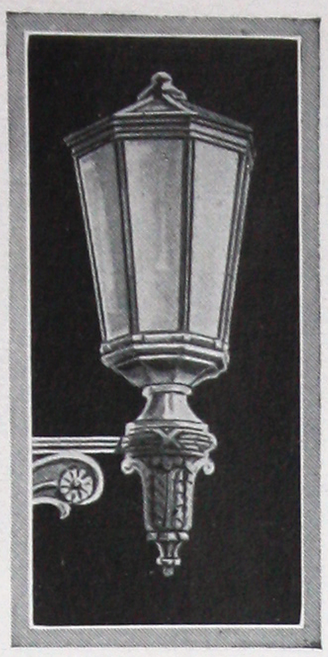
8. Always specify exact form of lighting unit that will be used on top of standard.



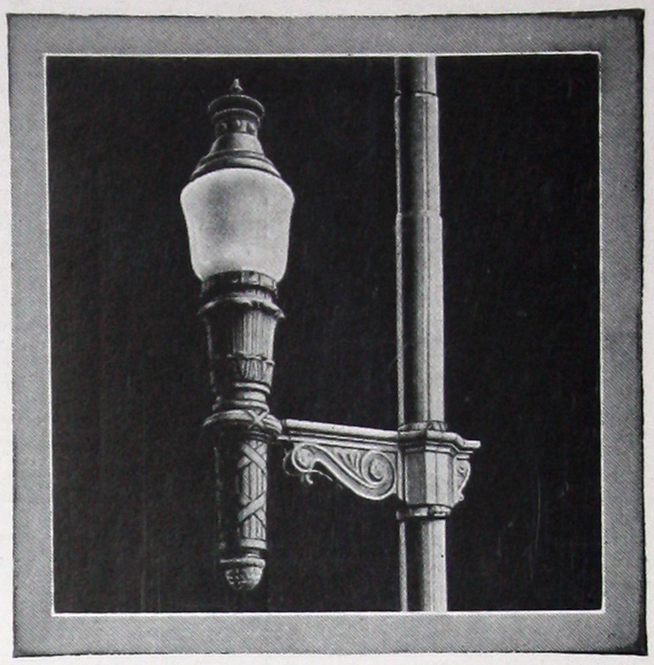
Dimension print Design No. 1161. Approx. shipping weight Lighting Standard only 1010 lbs.

SECTION 3—BUSINESS DISTRICT LIGHTING

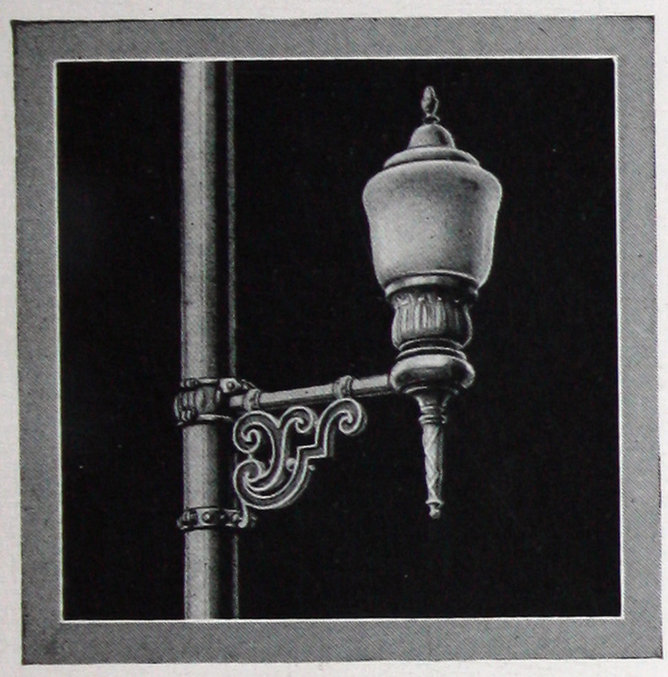
Design 882—1 Light Trolley Pole Bracket with G. E. Form 9 Novalux Unit.



G. E. Form 23 Novalux Lantern adapted for mounting on bracket No. 882. This combination is called No. 1967.



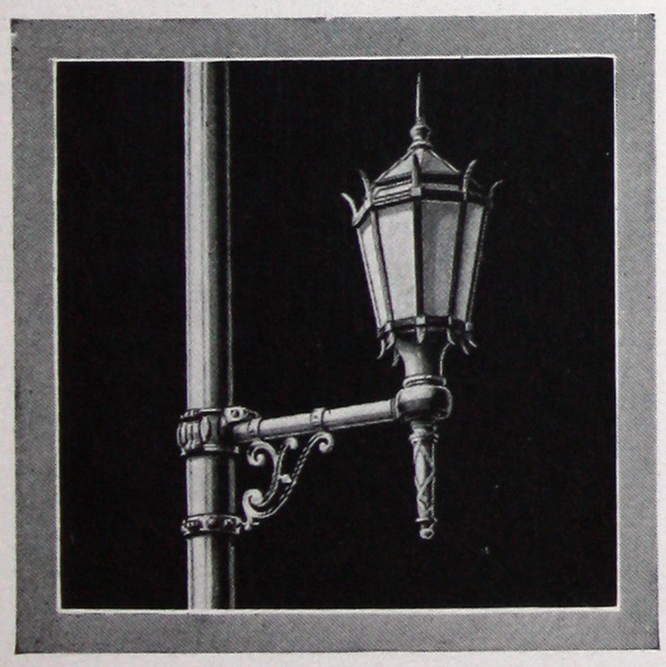
Design 656—1 Light Trolley Pole Bracket with G. E. Form 10 Ornamental Luminous Arc Lamp.



Design 1690—1 Light Trolley Pole Bracket with G. E. Form 9 Novalux Unit.

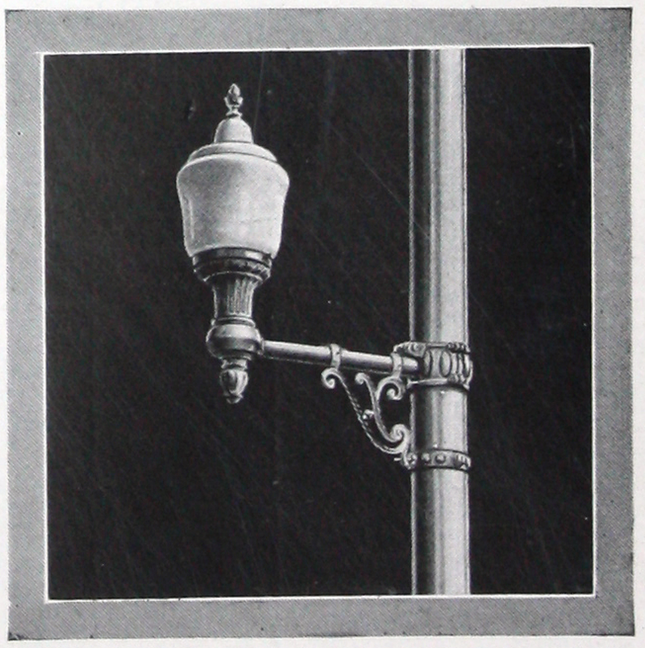
G. E. Form 18 Novalux Lantern 21″ large size "R" Casing for mounting on bracket No. 1690. This combination is called No. 1717.

Design 1691—1 Light Trolley Pole Bracket with G. E. Form 10 Ornamental Luminous Arc Lamp.



Design 1692—1 Light Trolley Pole Bracket with G. E. Form 18 Novalux Lantern 18″ small size, "S" casing.

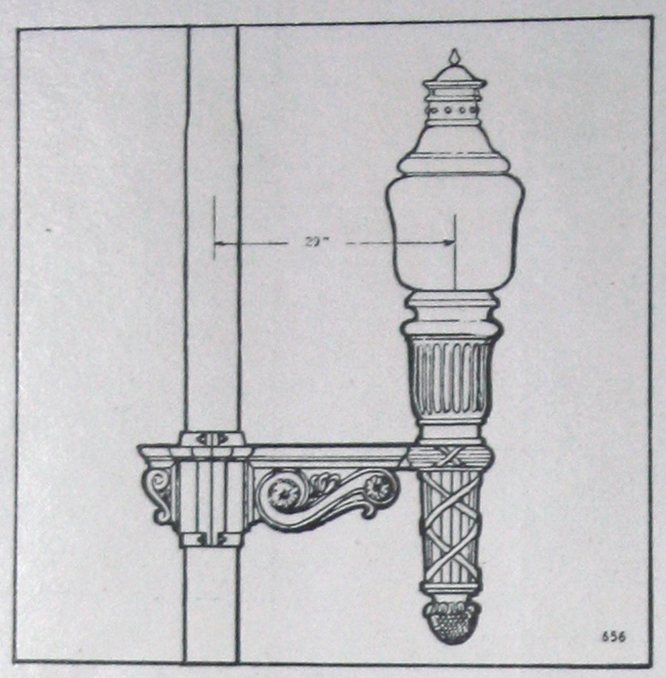
G. E. Form 12 Novalux Unit O Casing and No. 103—14″ globe for mounting on bracket No. 1692. This combination is called No. 1968.



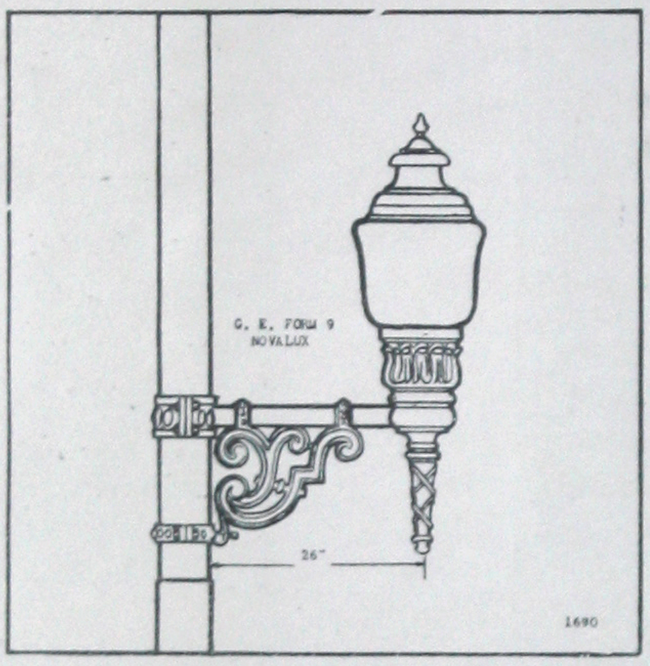
Design 898—1 Light Trolley Pole Bracket with G. E. Form 8 Novalux Unit.

Detailed dimension print with further specifications will be found on back of this page.

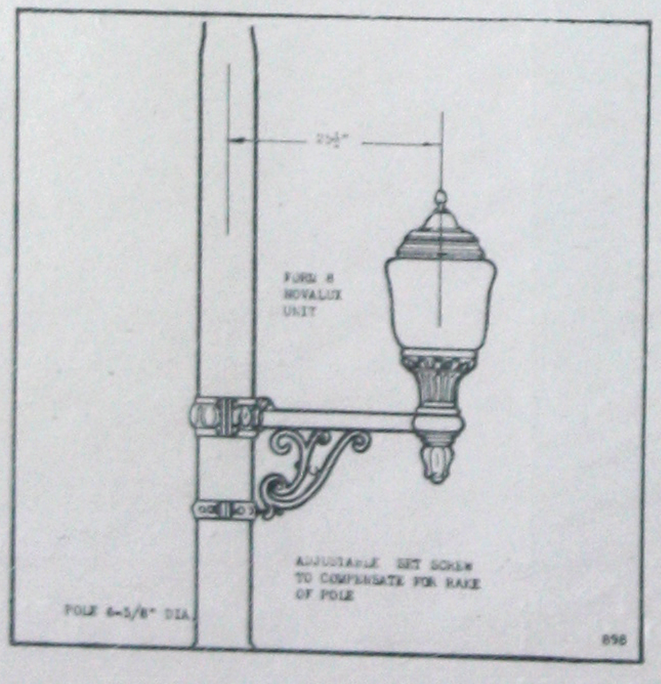
SECTION 3—BUSINESS DISTRICT LIGHTING



Dimension print Bracket No. 656. Approx. shipping weight Bracket only 192 lbs.



Dimension print Bracket No. 1690. Approx. shipping weight Bracket only 80 lbs.



Dimension print Bracket No. 898. Approx. shipping weight Bracket only 60 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

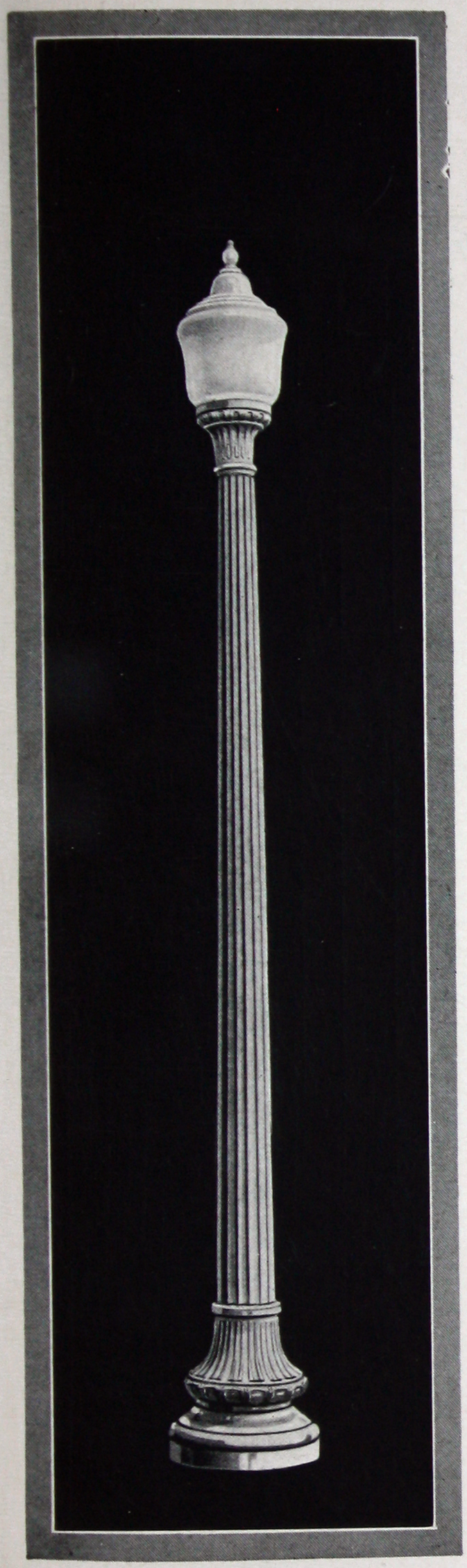
2. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles but they will be quoted upon and furnished by us when desired.

3. Where desired we are pleased to quote on Union Metal Trolley Brackets complete with G. E. Lighting Units or any other material referred to in Item 2.

4. All Brackets are given shop priming coat of high grade metallastic paint before leaving the factory and should be given finishing coat after erection.

5. Always specify exact form of lighting unit that will be used on top of Bracket.

Note: All brackets listed on this page can be furnished to fit any size of steel tubular Pole.



Design 874 with G. E. Form 8 Novalux Unit. Shaft tapers from 8″ to 4″.

G. E. Form 13 Novalux Unit J Casing and No. 92–14″ globe. Shaft tapers from 8″ to 4″.

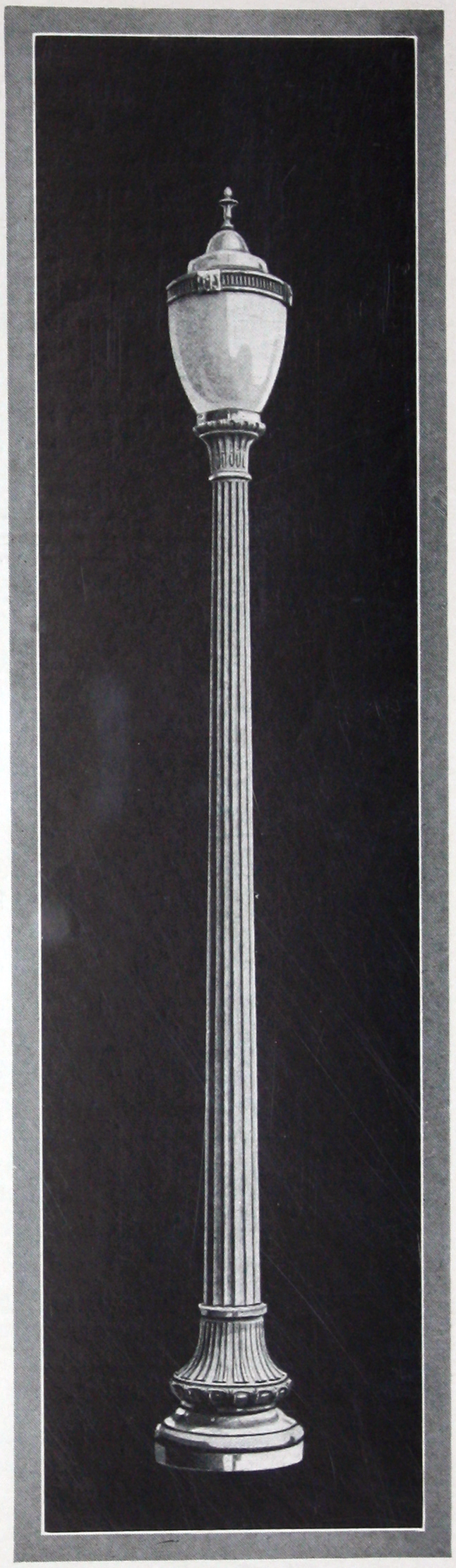
G. E. Form 12 Novalux Unit O Casing and No. 103–14″ globe. Shaft tapers from 8″ to 5″ but design remains No. 874.

Description and Specifications

For ten years Design 874 has been one of our most popular standards for residential and park lighting with 6½″ shaft diameter tapering to 4″ or 5″ depending upon the form of Novalux Unit used. This design is fairly massive and not so thin and spindling as designs that are usually offered in competition with it.

It is a well proportioned, handsome design from the ground line to the top of the General Electric Lighting Units that are sold with it.

Detailed dimension print with further specifications will be found on back of this page.



Design 874 with G. E. Form 8 Novalux Unit No. 3 casing and No. 103—14″ globe.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

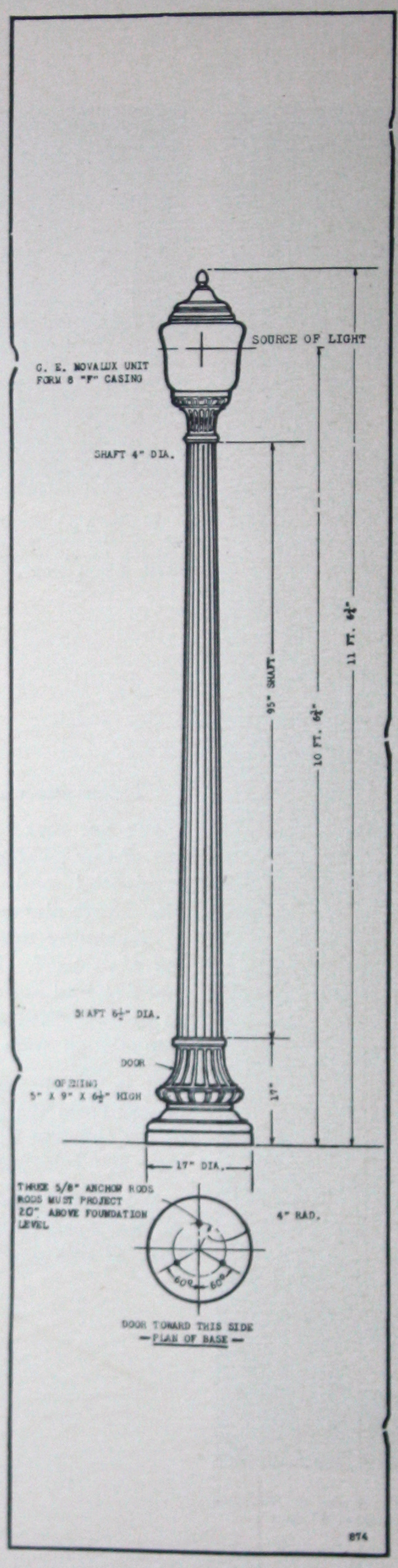
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

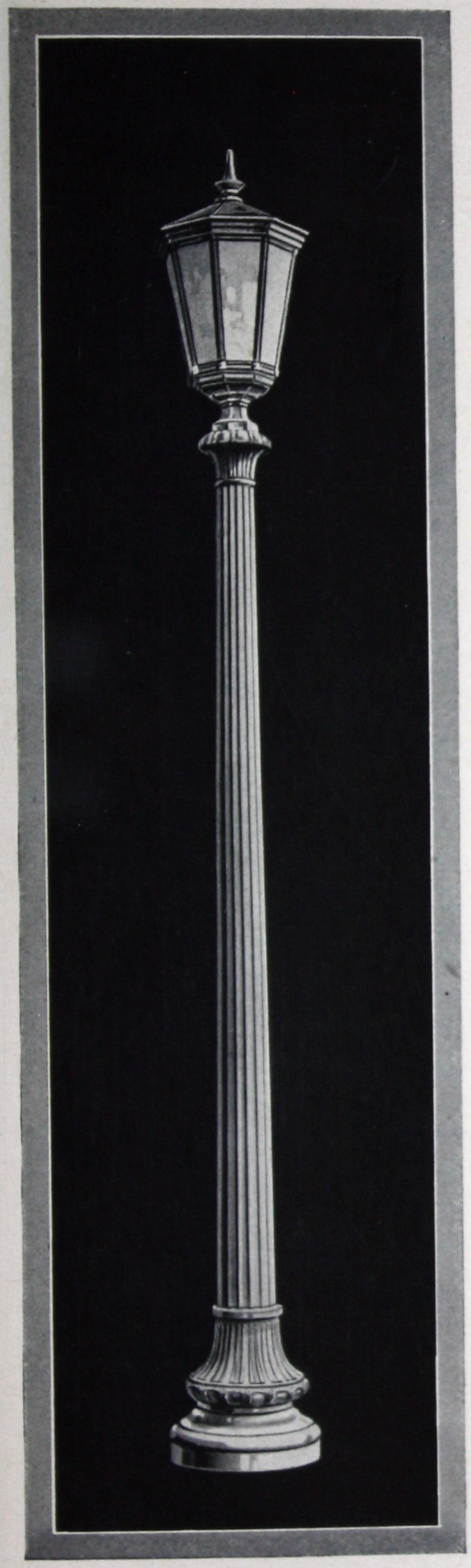
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 874. Approx. shipping weight Lighting Standard only 160 lbs.



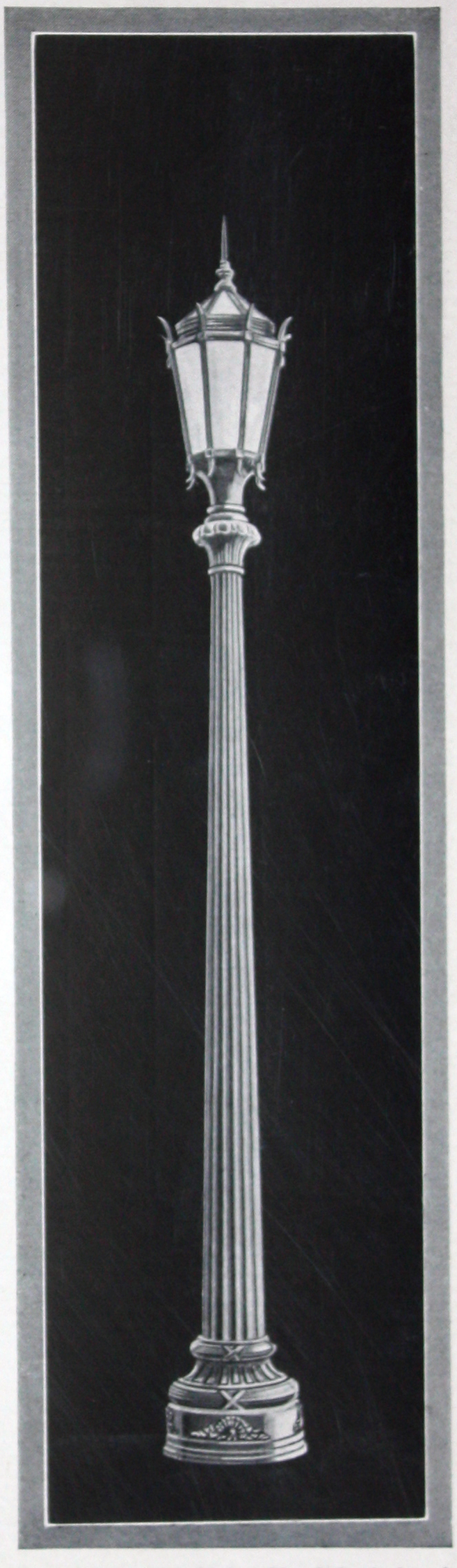
Design 880 with Union Metal Capital and Form 23-A Novalux Lantern, small size. Shaft tapers from 6½" to 4".

Description and Specifications

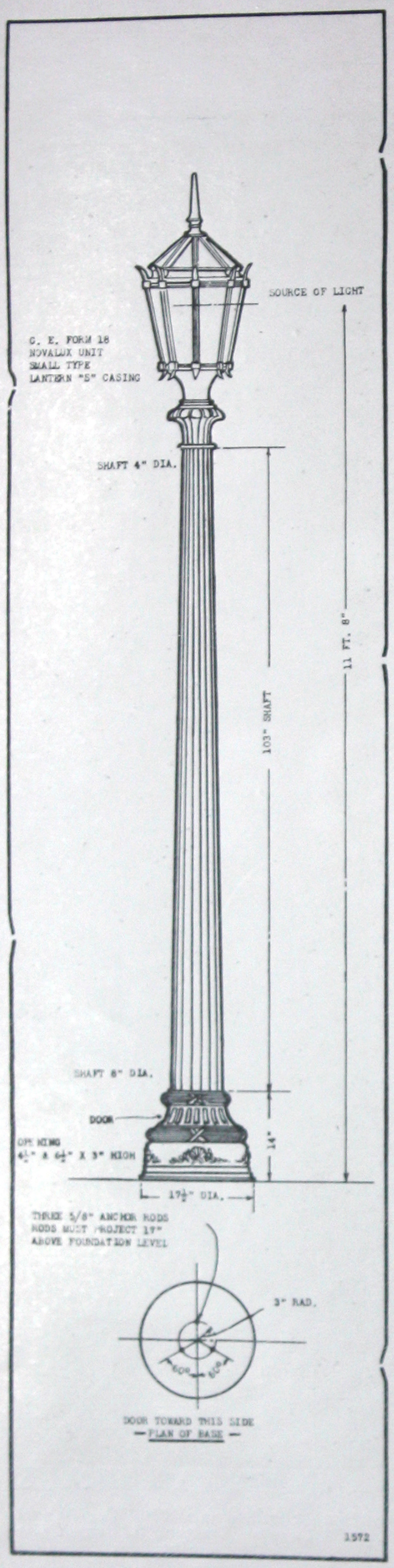
Union Metal and General Electric Engineers have worked out these attractive combinations of standards and lanterns for residential and parkway service. In shape and design the lanterns are duplicates of Form 18 and Form 23 street lighting lanterns shown in other pages of this catalog, but these units have 18" diameters instead of 21" in the larger lanterns.

Detailed dimension print with further specifications will be found on back of this page.

These standards can be arranged to receive either of the lanterns shown above. Design numbers of standards remain the same.



Design 1572 with Union Metal Capital and Form 18 Novalux Lantern. 18" small size "S" Casing.



Dimension print Design No. 1572. Approx. shipping weight Standard only 155 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

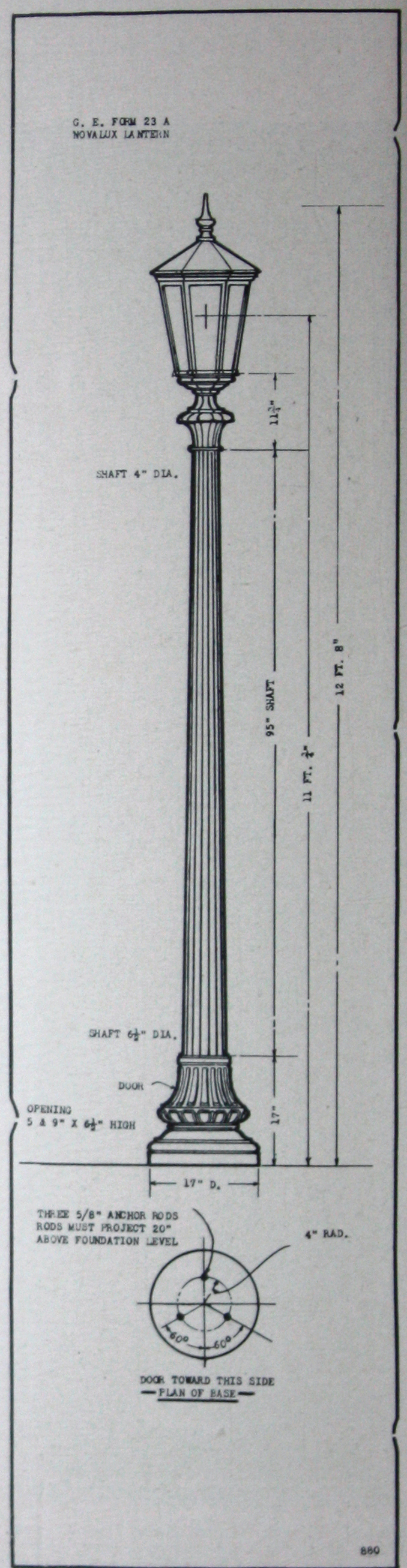
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

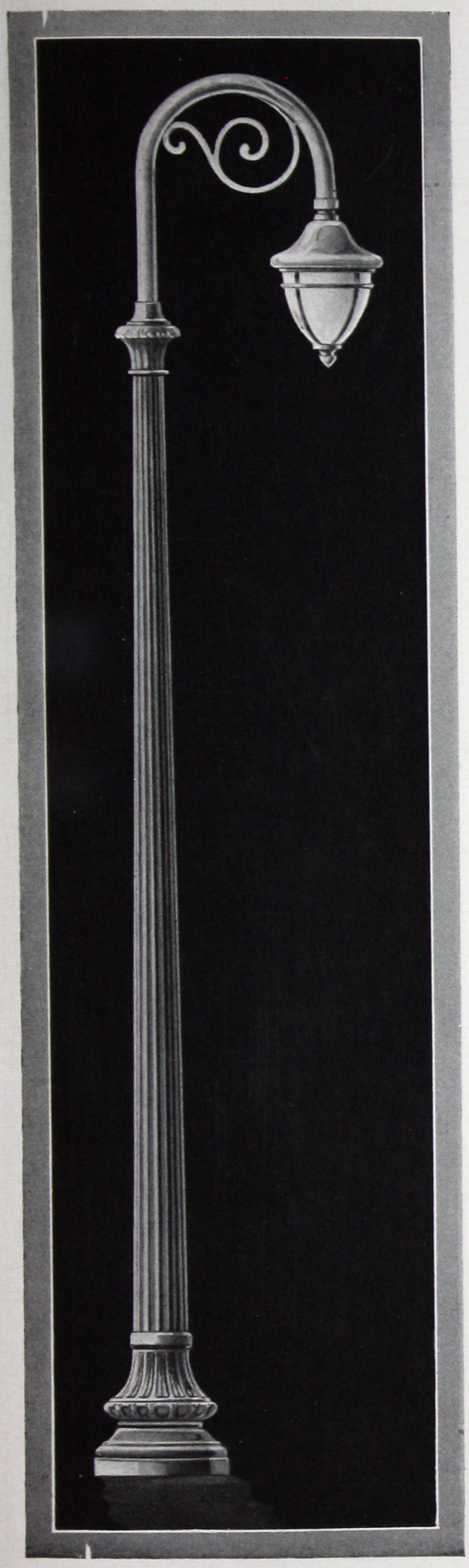
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 880. Approx. shipping weight Standard only 175 lbs.



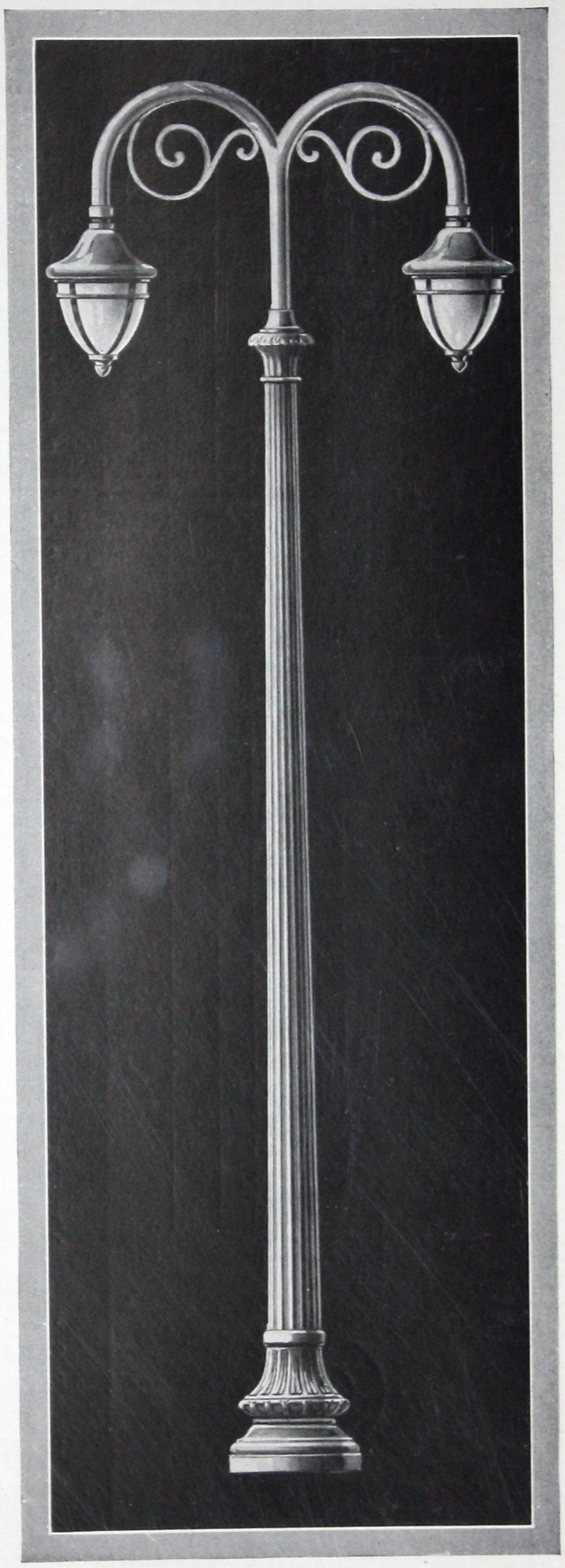
Design 1701—1 Light with G. E. Form 25-B Novalux Unit (suspended type Lantern).

Description and Specifications

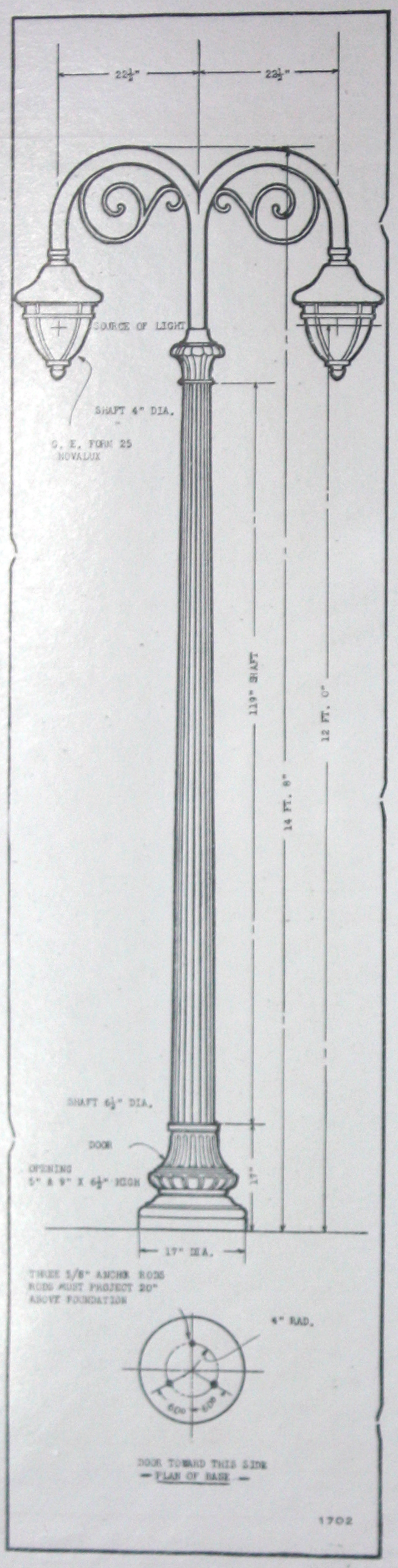
These standards as shown are 14′ 8″ high overall and 12′ to the light source. They were first developed for installation around gasoline filling stations but are filling a need for bridge lighting and for installation in private grounds and estates.

These lanterns were developed for residential lighting in East Cleveland and are fitted with prismatic refractors inside the globes for directing the light in useful directions.

Detailed dimension print with further specifications will be found on back of this page.



Design 1702—2 Light with G. E. Form 25-B Novalux Unit (suspended type Lantern).



Dimension print Design No. 1702. Approx. shipping weight Lighting Standard only 240 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

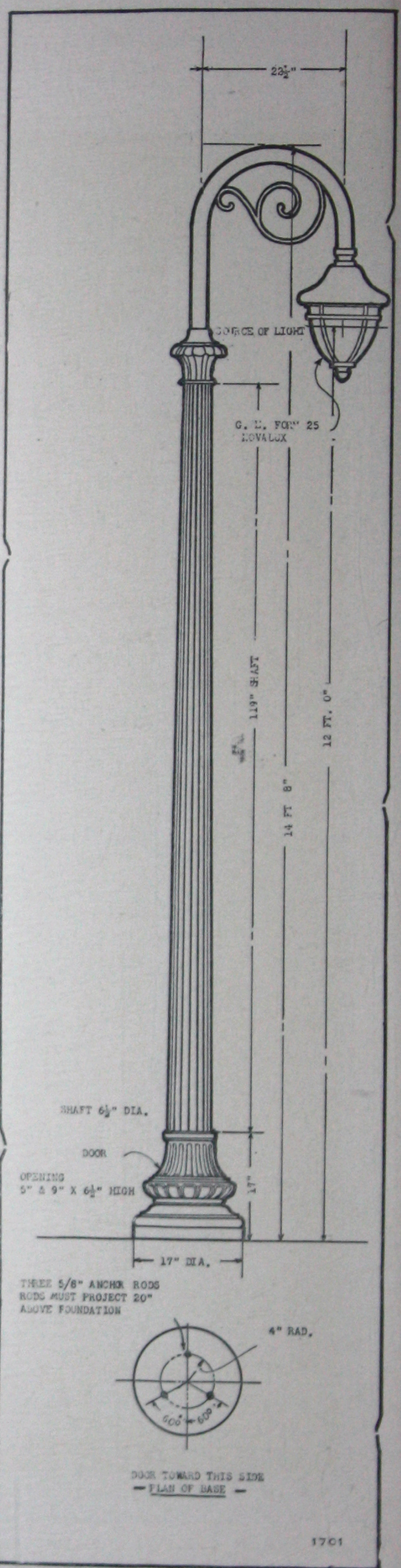
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

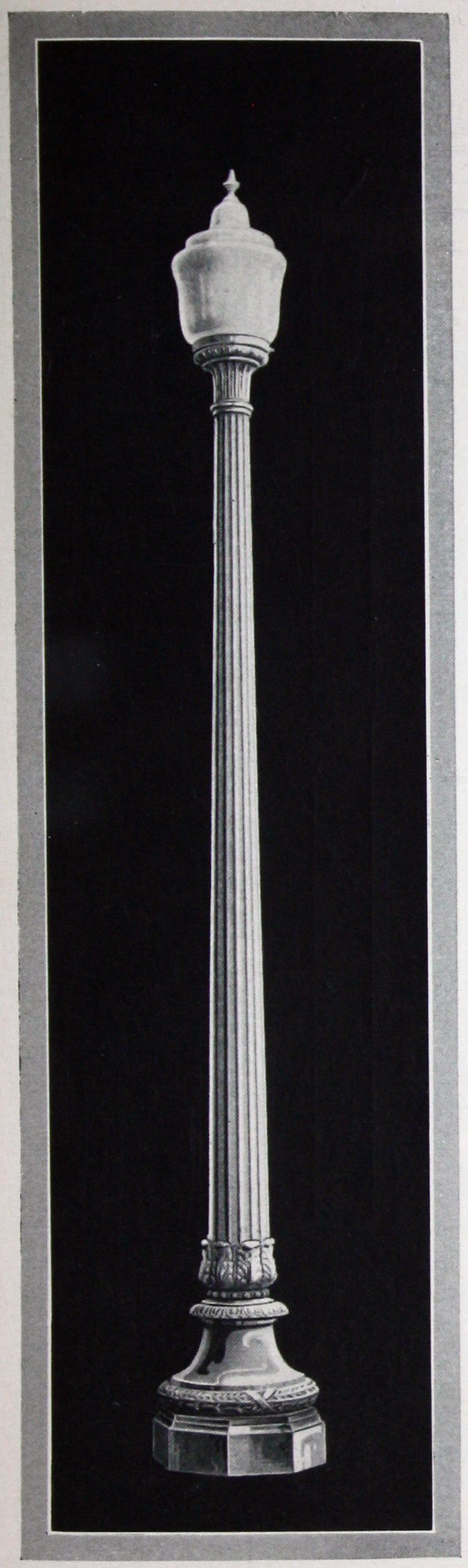
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

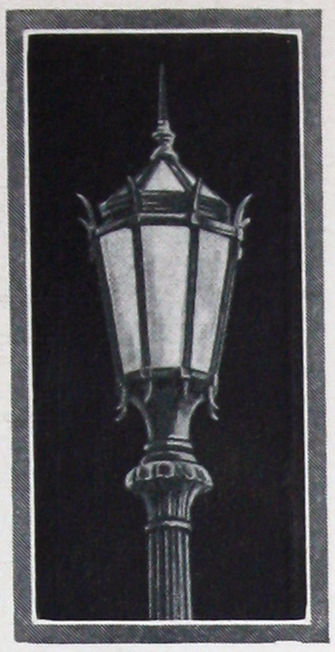
9. Always specify exact form of lighting unit that will be used on top of standard.



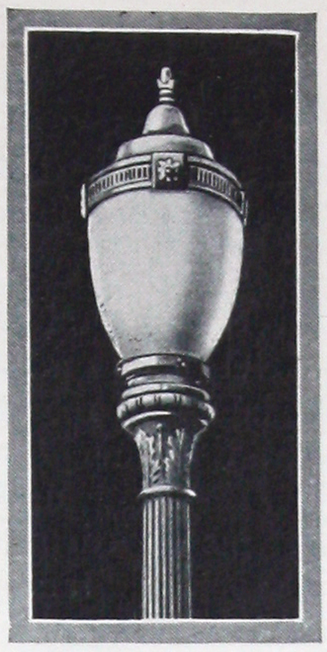
Dimension print Design No. 1701. Approx. shipping weight Lighting Standard only 215 lbs.



Design 1292 with G. E. Form 8 Novalux Unit F Casing, rippled glass. Shaft tapers from 7″ to 4″.



G. E. Form 18 Novalux Lantern 18″ small size "S" Casing. In this unit standard is furnished with Union Metal capital drilled to receive lantern and design is number 1694. Shaft tapers from 7″ to 4″.

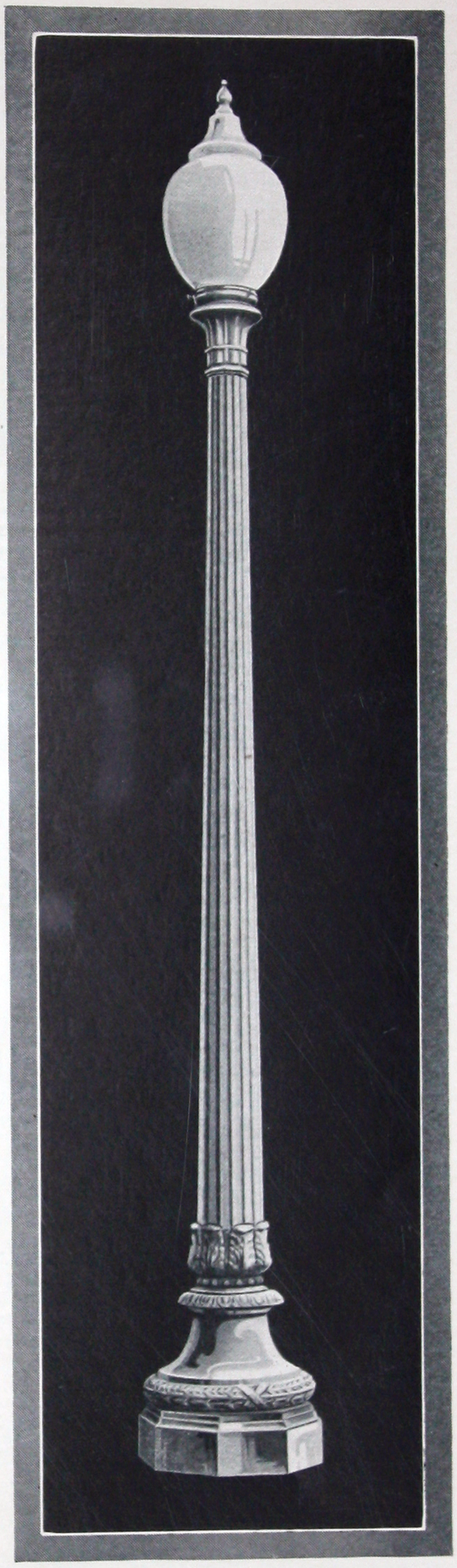


G. E. Form 12 Novalux Unit with O Casing and No. 104—14″ globe. Shaft tapers from 7″ to 5″ but design remains No. 1292.

Description and Specifications

This is a handsome residential or parkway design with slightly larger base than designs 874, 856, etc. Unlike the other residential designs it has an octagon base member 18″ from face to face, with well proportioned base height of 24″. With ten foot steel shaft, the light source can be brought up to 13′ 8″ which is somewhat higher than most residential standards reach.

Detailed dimension print with further specifications will be found on back of this page.



Design 1292 with G. E. Form 13 Novalux Unit J Casing and No. 92—14″ globe. Shaft tapers from 7″ to 4″.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

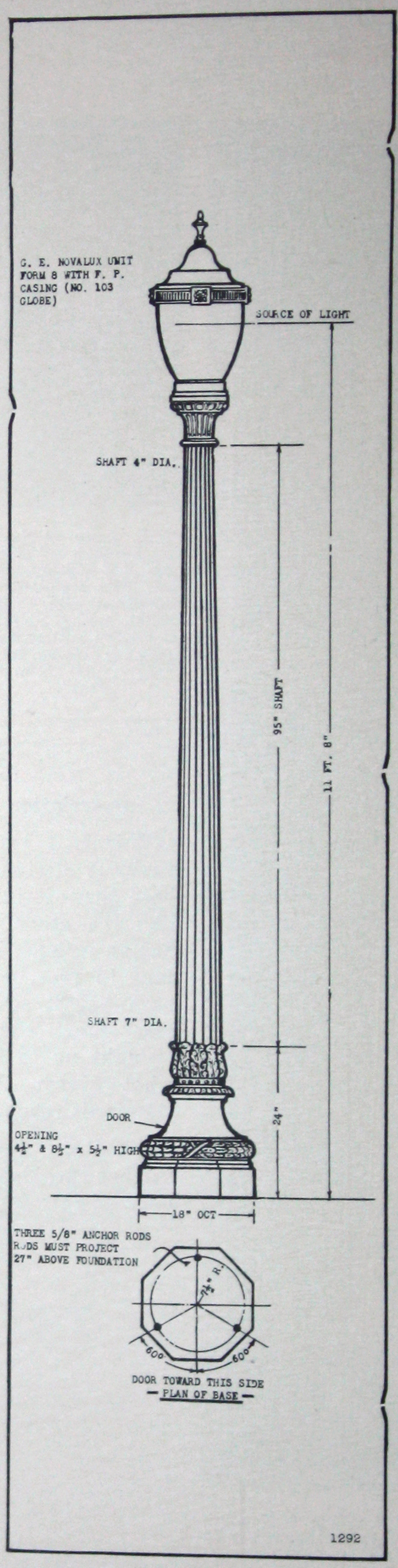
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

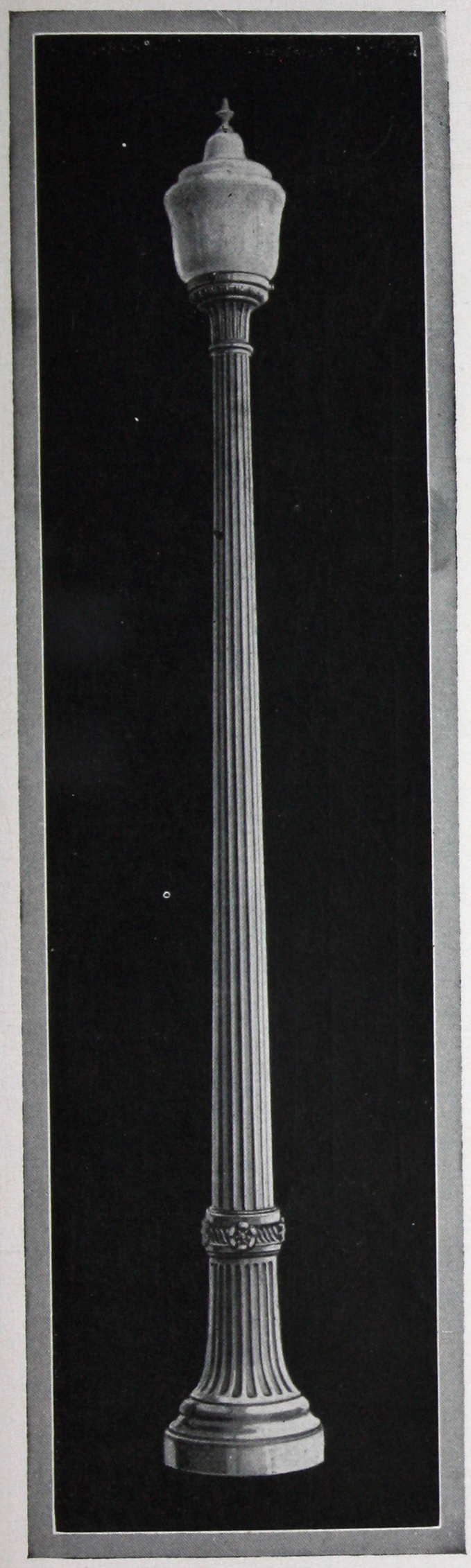
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1292. Approx. shipping weight Lighting Standard only 200 lbs.



Design 1571 with G. E. Form 8 Novalux Unit. Shaft tapers from 6½" to 4".

G. E. Form 12 Novalux Unit O Casing and No. 103—14" globe. In this case shaft tapers from 6½" to 5" but design remains No. 1571.

G. E. Form 13 Novalux Unit with J Casing and No. 92 globe. In this case shaft tapers from 6½" to 4" but design remains No. 1571.

Description and Specifications

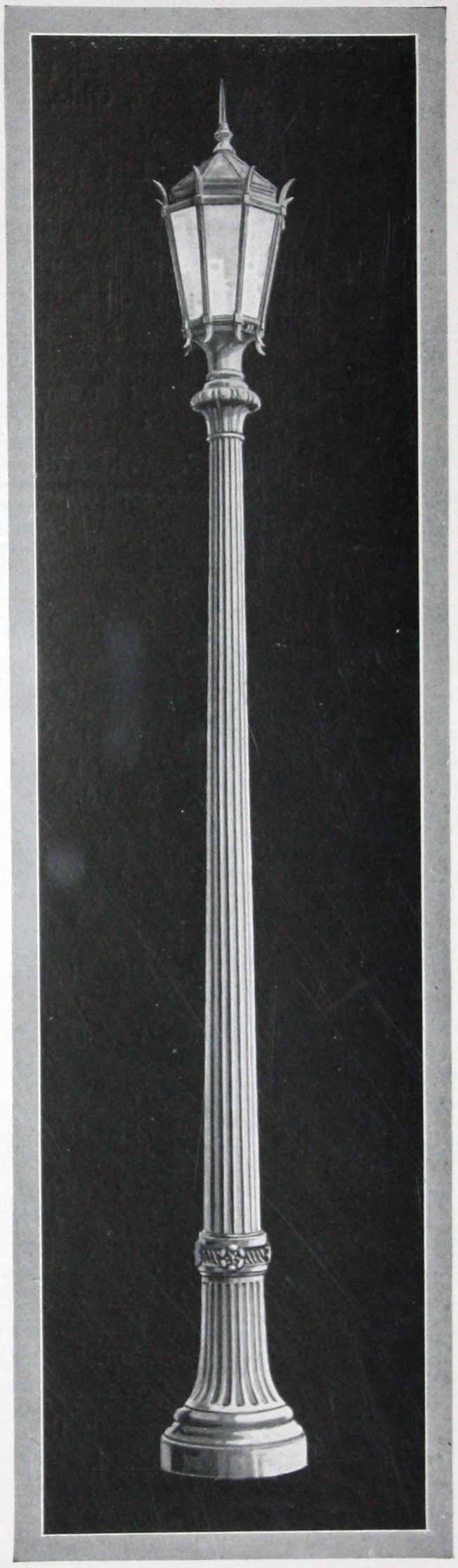
These two designs are residential types corresponding in shape with business district design 807 and 842 on page B-206 of this catalog.

They were developed to meet the demand for a smaller size standard to extend into the residential districts of cities and towns from the point where the larger white way standards stop.

They are quite flexible in that they accommodate a large range of General Electric Novalux Units requiring top shaft diameters of 4" and 5".

Detailed dimension print with further specifications will be found on back of this page.

Design No. 1571 was first developed for Bexley, Ohio, the high class residential section of Columbus, Ohio, the original installation consisting of over 300 standards.



Design No. 1693 with Union Metal Capital and G. E. Form 18 Novalux Lantern. 18" small size "S" Casing. Shaft tapers from 6½" to 4".

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

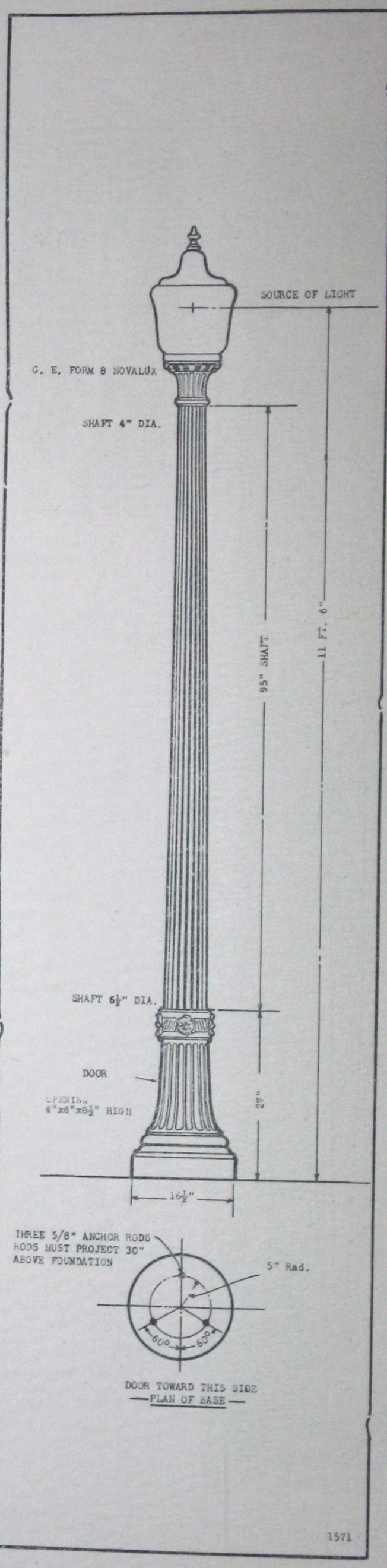
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

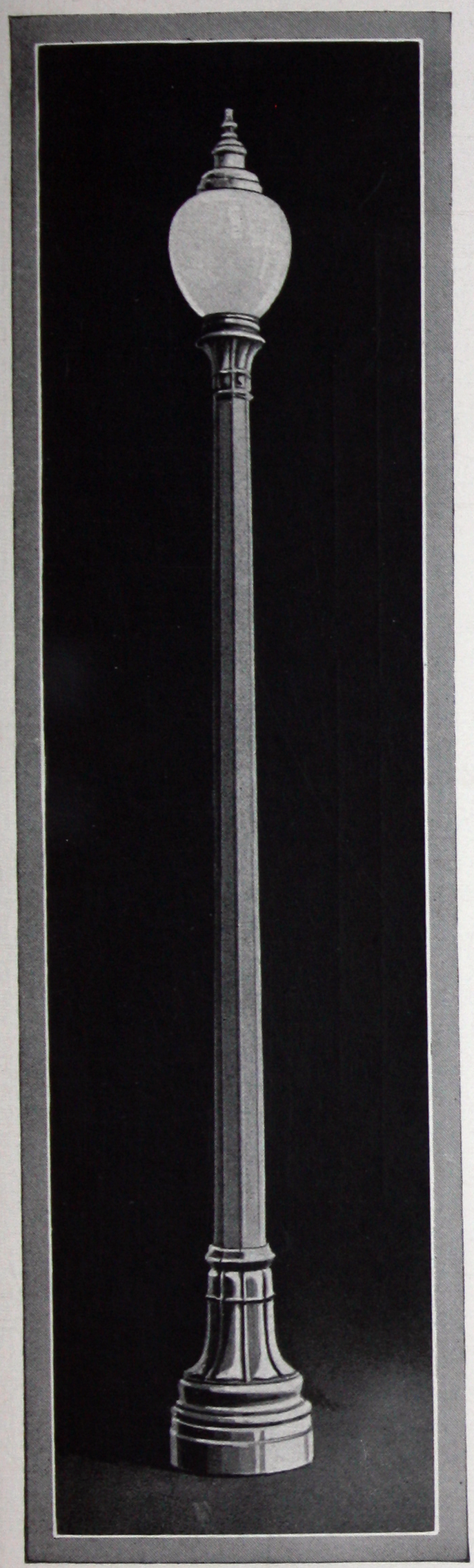
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.

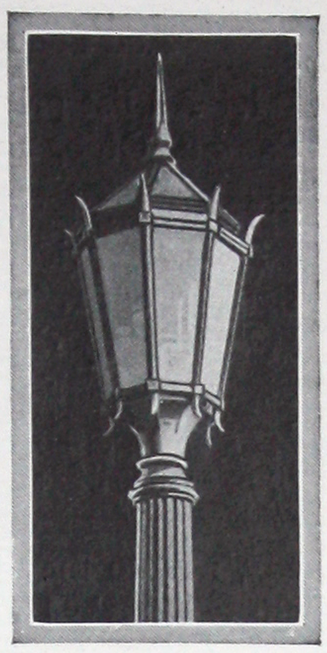


Dimension print Design No. 1571. Approx. shipping weight Lighting Standard only 195 lbs.



Design 1082 (Octagonal Type) with G. E. Form 13 Novalux Unit J Casing and No. 92—14" globe. Shaft tapers from 6½" octagon to 4" octagon.

G. E. Form 8 Novalux Unit F Casing and No. 39 — 13" globe. Shaft tapers from 6½" octagon, to 4" octagon and design is called No. 1082. Design No. 1298 is so modified that the shaft is fluted to harmonize with the base.



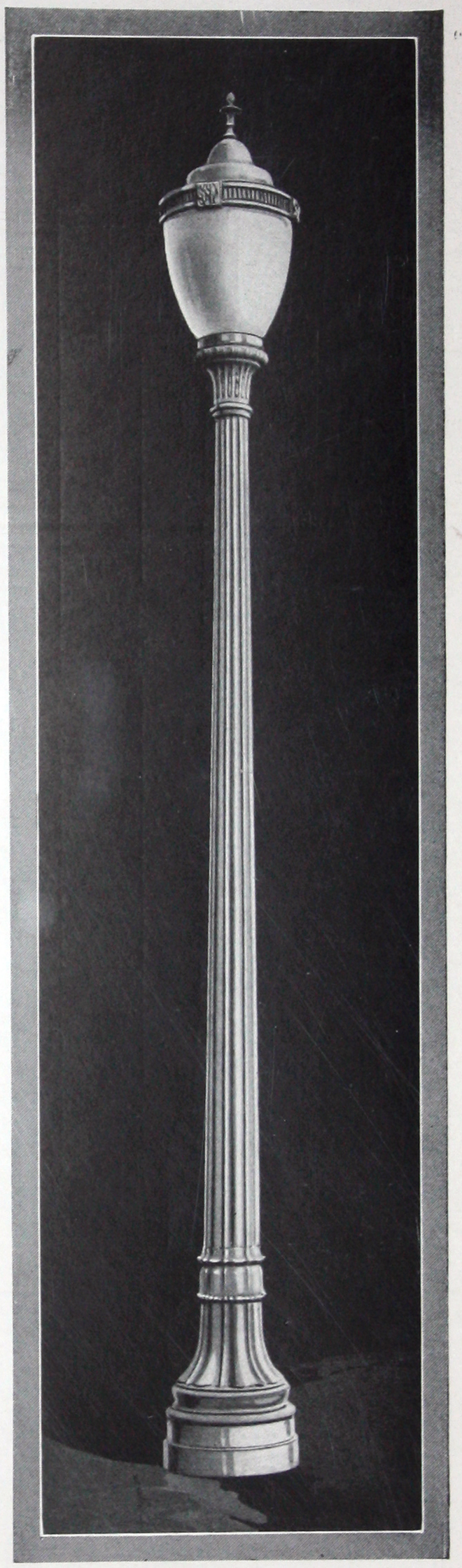
G. E. Form 18 Novalux Lantern 18" small size "S" Casing. Shaft tapers from 6½" octagon to 4" octagon and design is called No. 1082. Where shaft tapers from 6½" octagon to 4" fluted top design is called No. 1298.

Description and Specifications

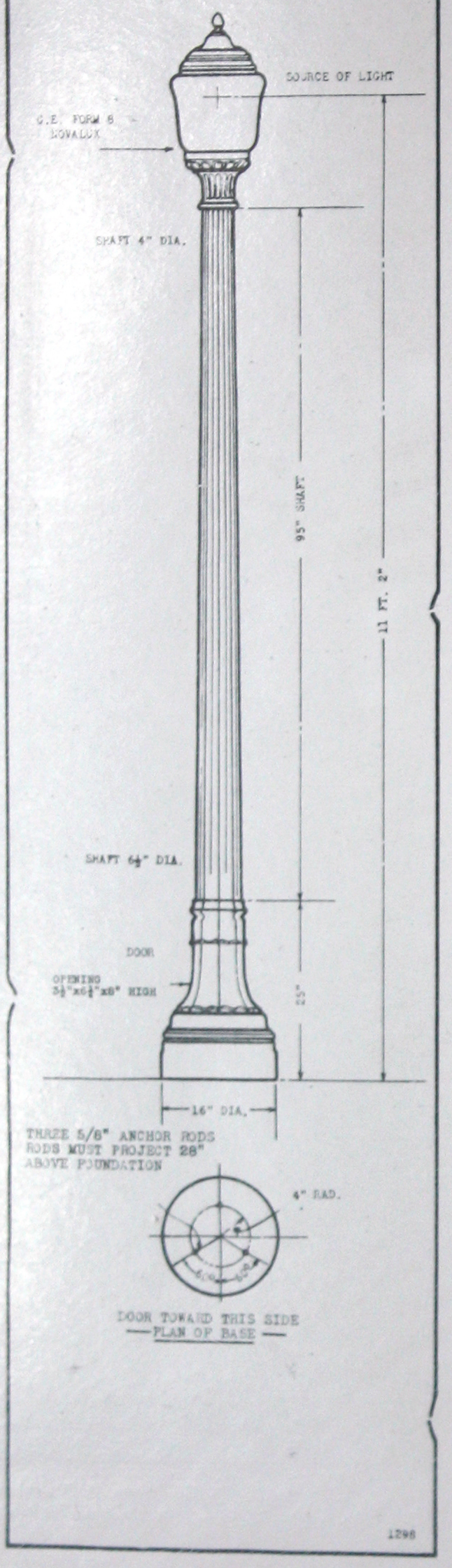
Design 1082 has octagon shaped base blending into a 6½" octagon shaped shaft which tapers to 4" top and accommodates an octagon shaped General Electric Novalux Casing.

Design No. 1298 is so modified that the shaft is fluted to harmonize with the base.

Detailed dimension print with further specifications will be found on back of this page.



Design 1298 with G. E. Form 8 Novalux Unit No. 3 Casing and No. 103—14" globe.



Dimension print Design No. 1298. Approx. shipping weight Lighting Standard only 190 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

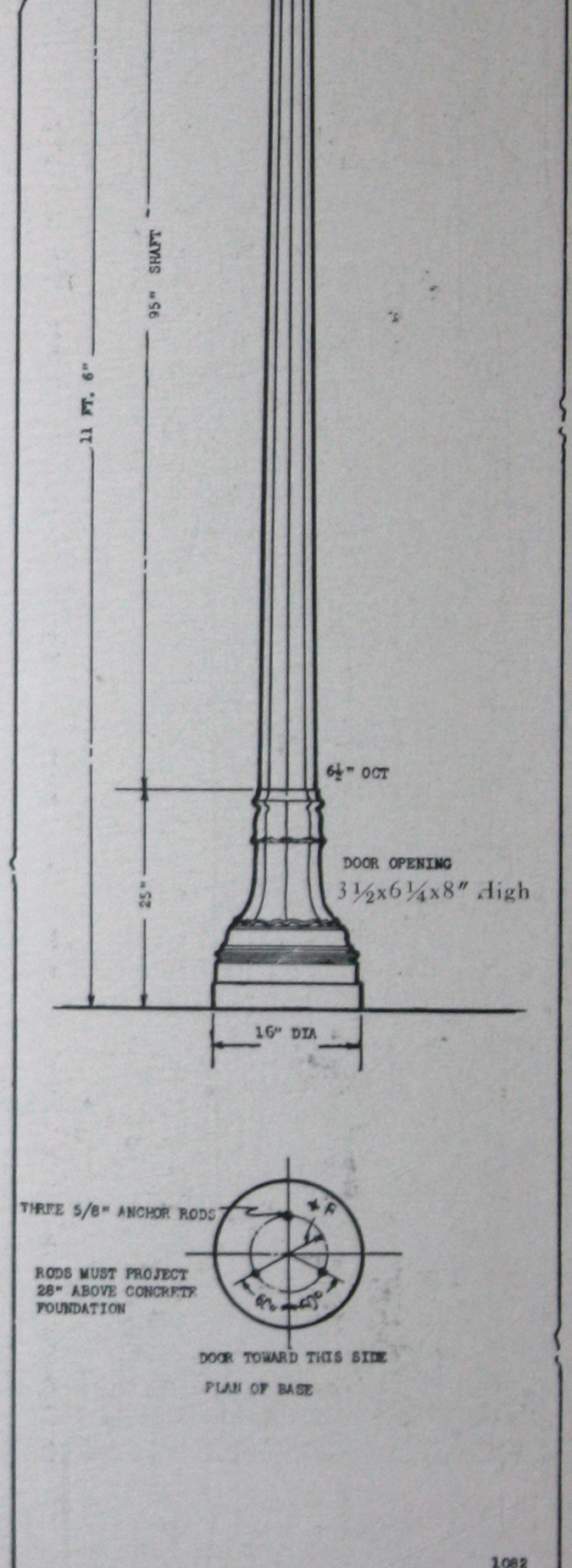
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

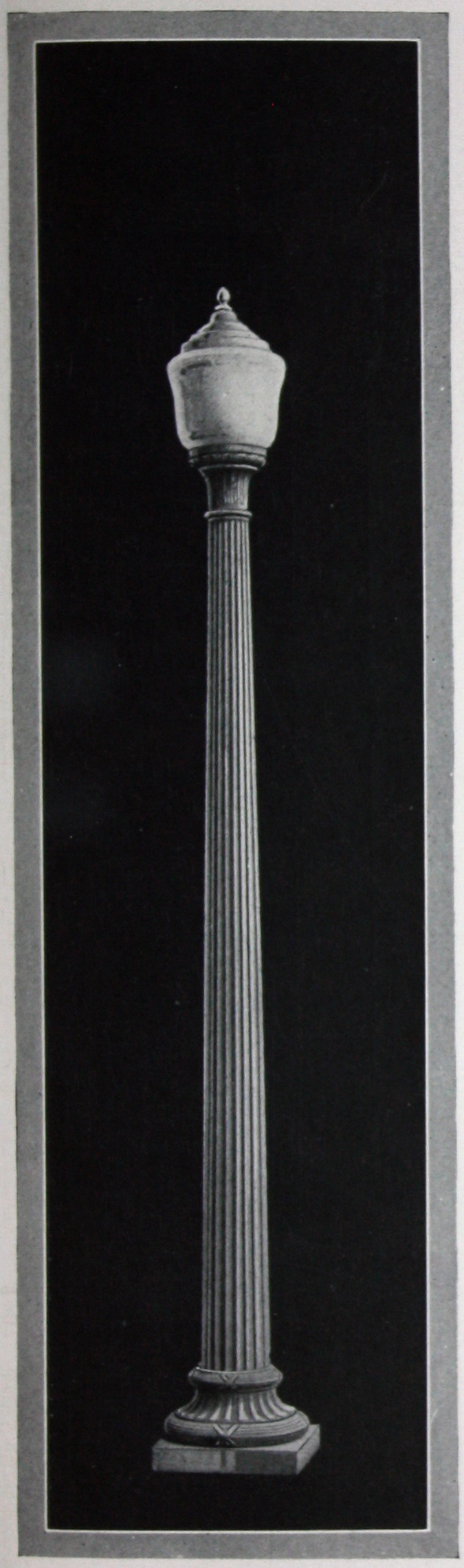
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1082. Approx. shipping weight Lighting Standard only 185 lbs.



Design 856 with G. E. Form 8 Novalux Unit. F casing and No. 39—13″ globe. Shaft tapers from 8″ to 4″.

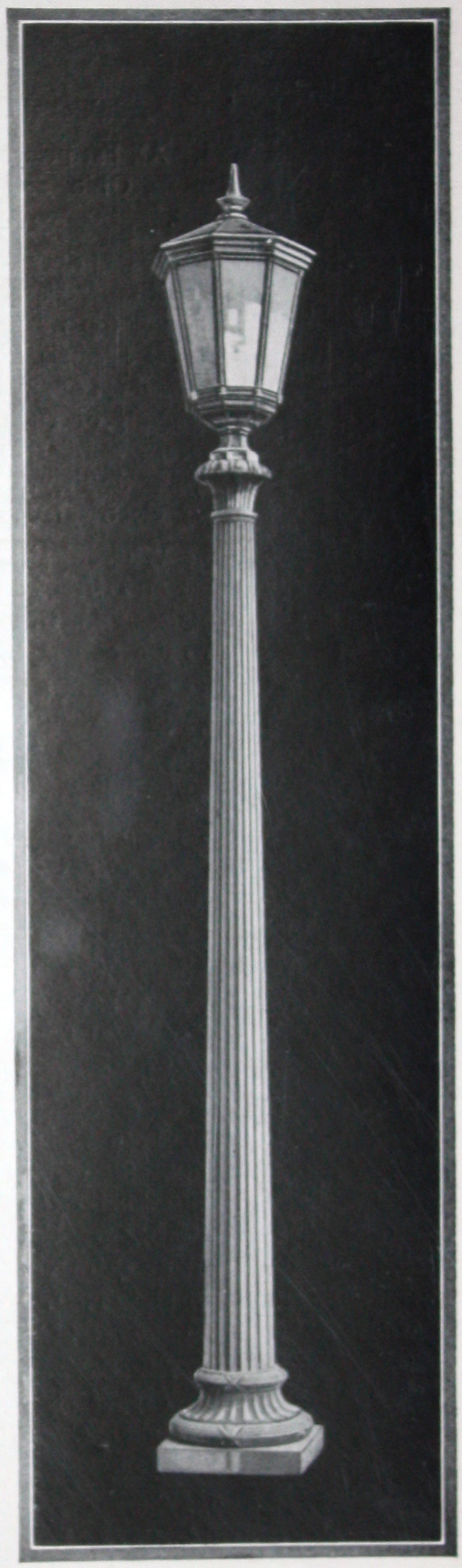
G. E. Form 16 Novalux Unit Q casing and No. 97—14″ globe. Shaft tapers from 8″ to 5″ and design remains No. 856.

G. E. Form 17 Novalux Unit (Harp Type). Shaft tapers from 8″ to 6″ and design remains No. 856.

Description and Specifications

Design 856 has been one of our popular residential and park lighting standards for many years. It is one of the inexpensive types, yet is sufficiently ornamental for all practical purposes. With 8″ shaft tapering to either 4″ or 5″ at the top, it can accommodate a wide range of Novalux Units.

Detailed dimension print with further specifications will be found on back of this page.



Design 1695 with Union Metal Capital drilled to receive G. E. Form 23-A Novalux Lantern small size. Shaft tapers from 8″ to 4″.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

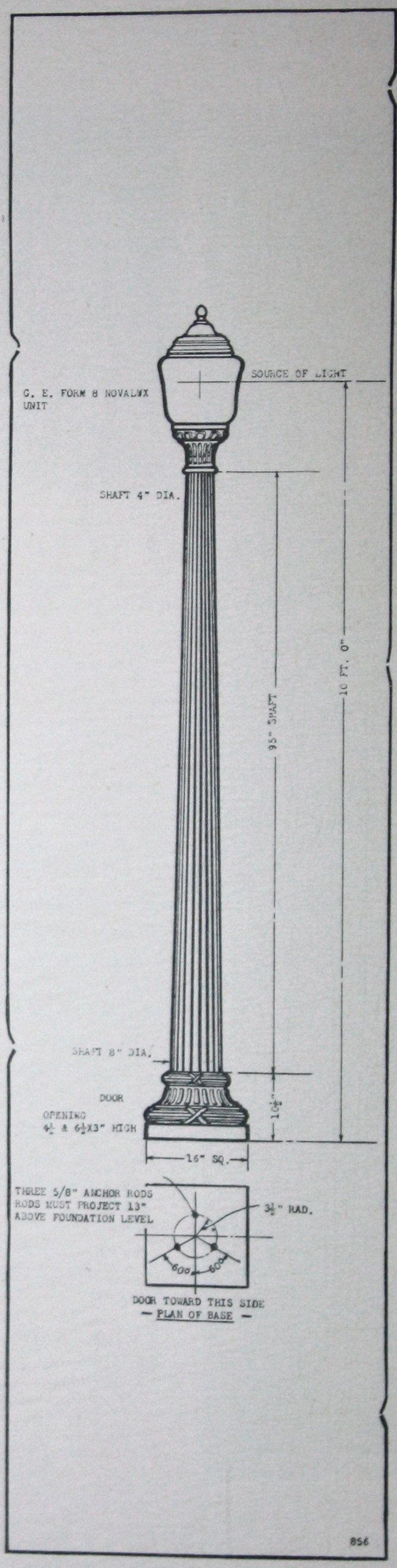
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

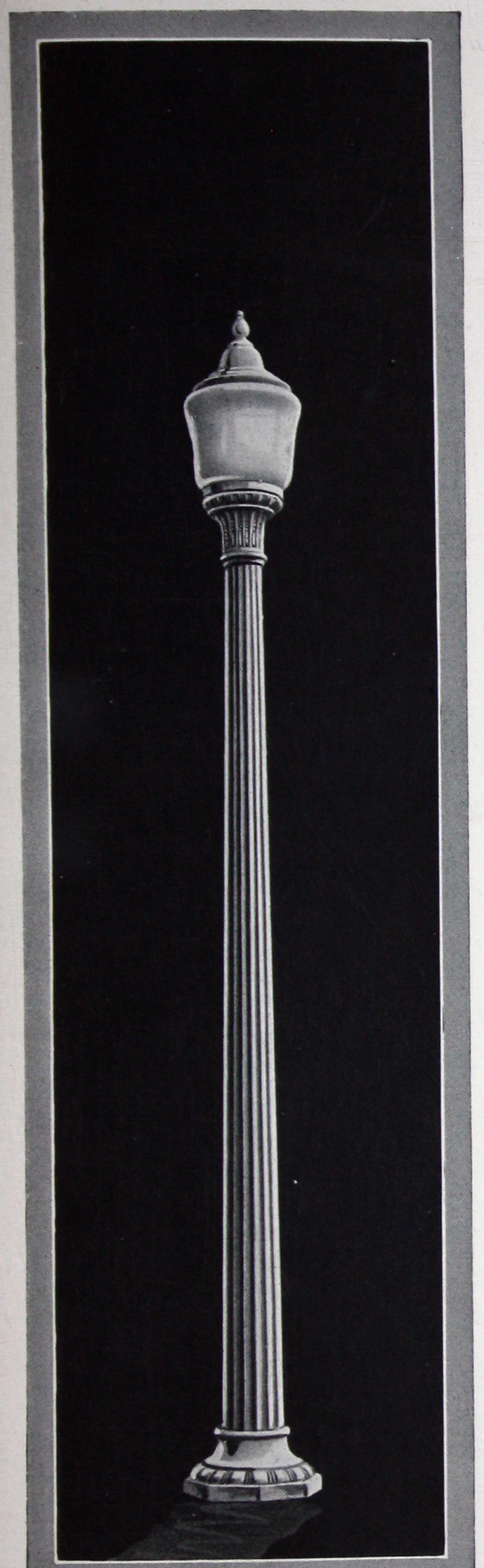
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 856. Approx. shipping weight Lighting Standard only 140 lbs.



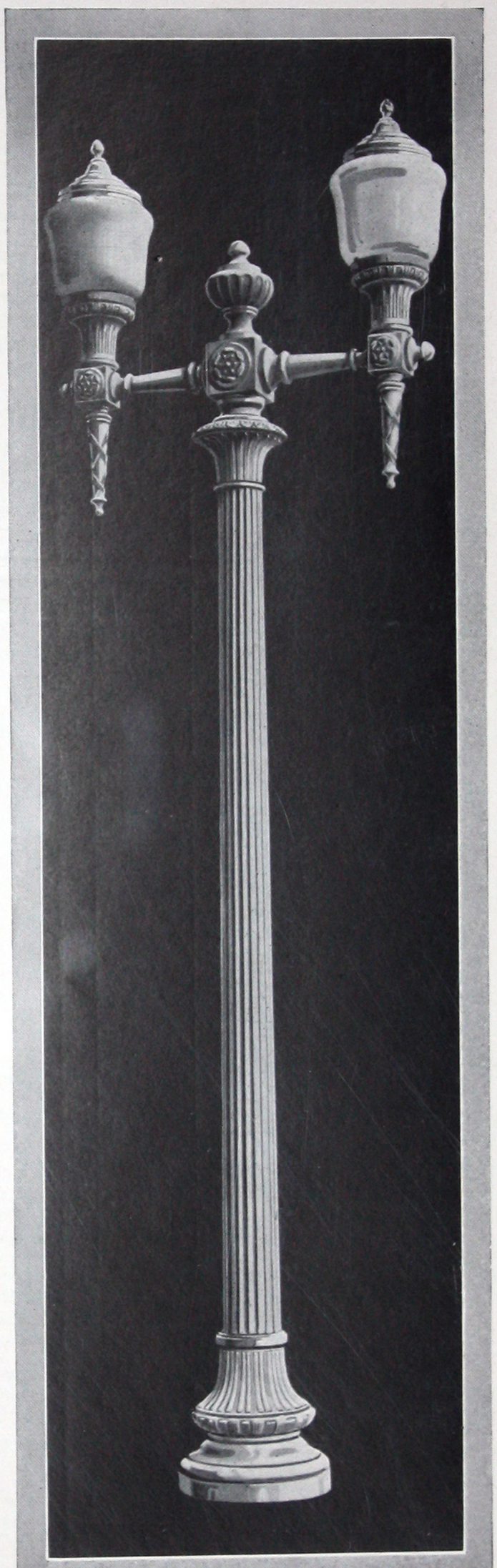
Design 1122 with G. E. Form 8 Novalux Unit, F Casing and No. 39—13" globe. Shaft tapers from 6½" to 4".

Description and Specifications

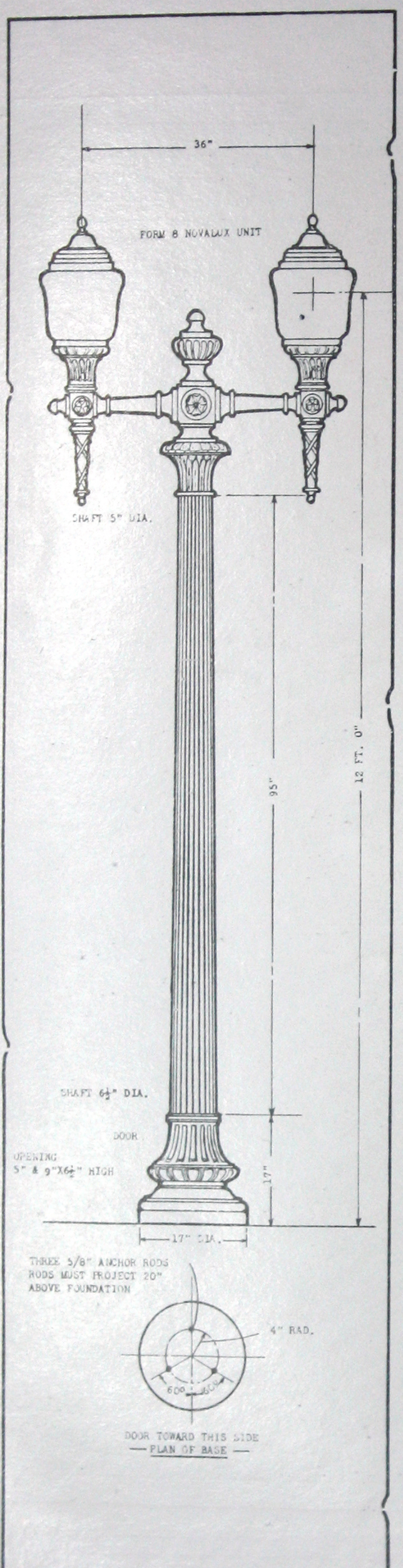
Design 1122 is our lowest priced standard designed for installations where low first cost is the vital factor. Even though sold at so low a figure, it is a well proportioned harmonious design and has the same rugged strength and quality of materials that enter into the construction of our higher priced standards.

Design 1053 was developed as a two light residential standard to match Design 874, page R-400, single light unit.

Detailed dimension print with further specifications will be found on back of this page.



Design 1053—2 Light Residential type with Form 8 Novalux Units, F Casing and No. 39—13" globe. Shaft tapers from 6½" to 5".



Dimension print Design No. 1053. Approx. shipping weight Lighting Standard only 285 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

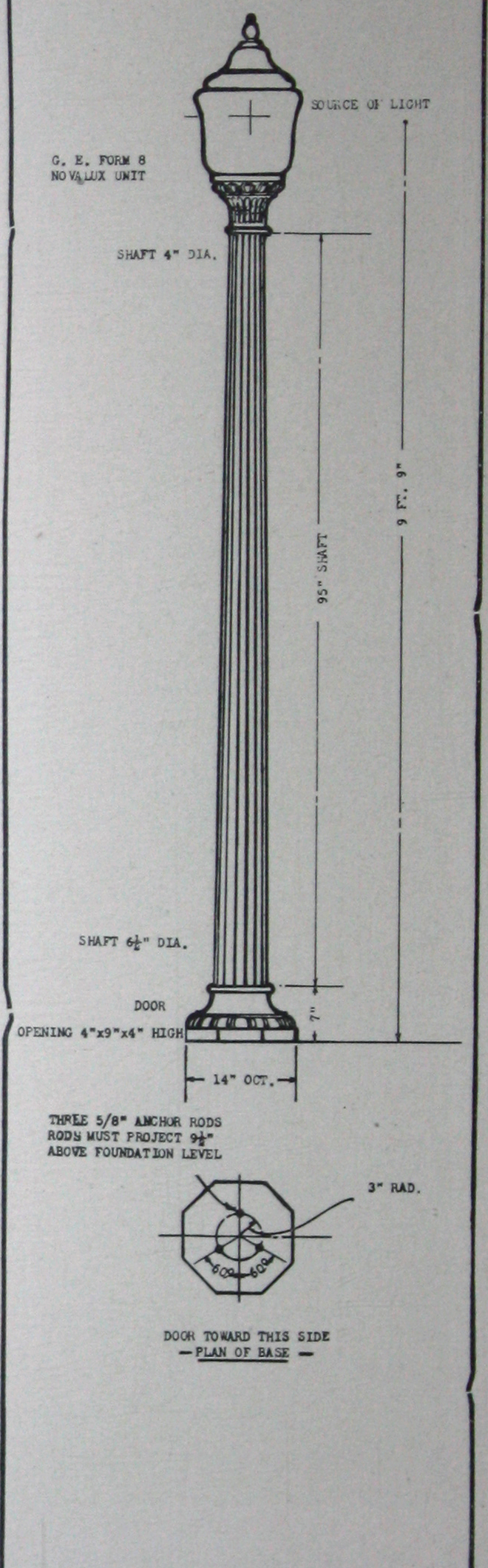
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

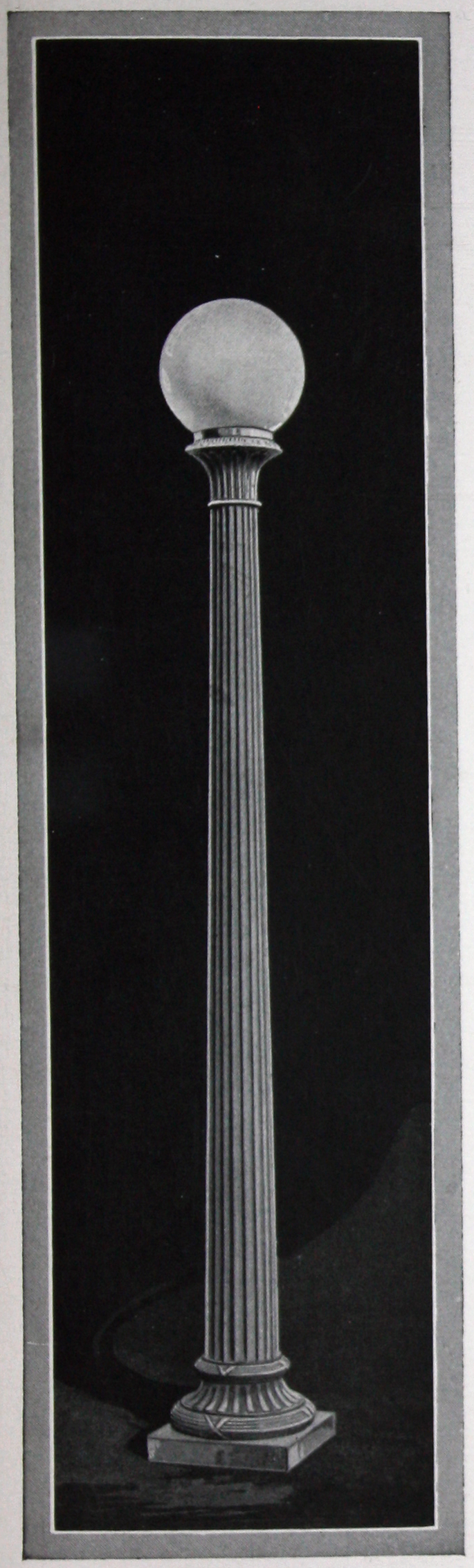
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1122. Approx. shipping weight Lighting Standard only 100 lbs.



Design No. 717 Residential and Parkway Standard with Union Metal capital and ball globe. Shaft tapers from 8" to 5".

Description and Specifications

In the introduction of this catalog, we referred to the unequalled qualifications of our Designing Department to produce handsome designs of standards.

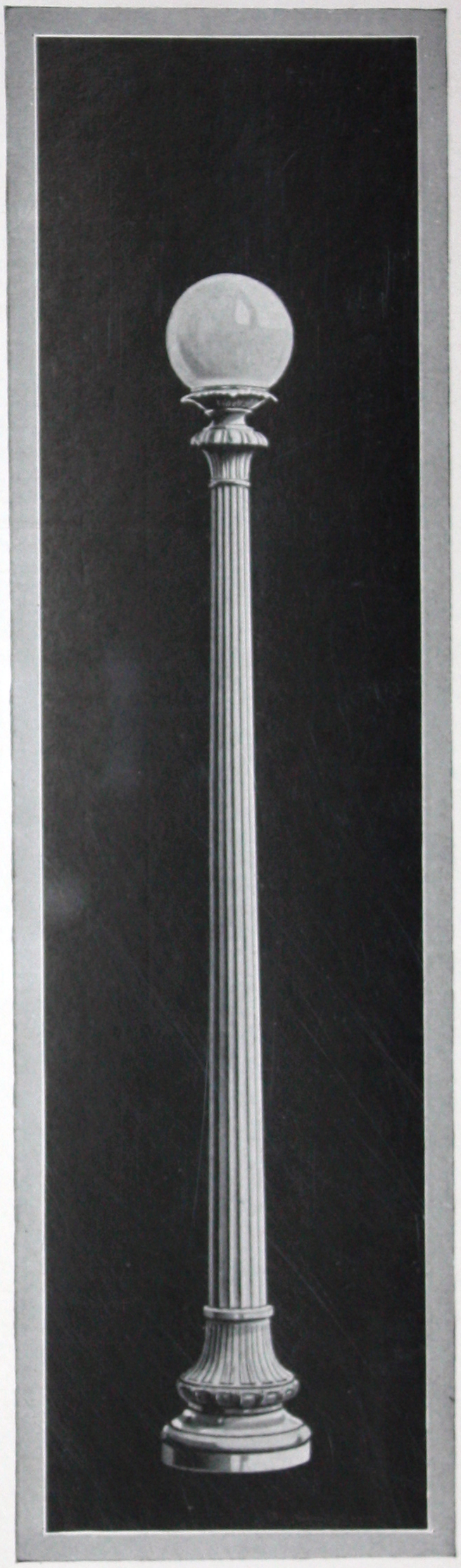
The Union Metal residential and park lighting line as fully as any other section of this catalog, reflects the ability of that department.

They have given the most careful consideration to the perfect blending of beauty and economy.

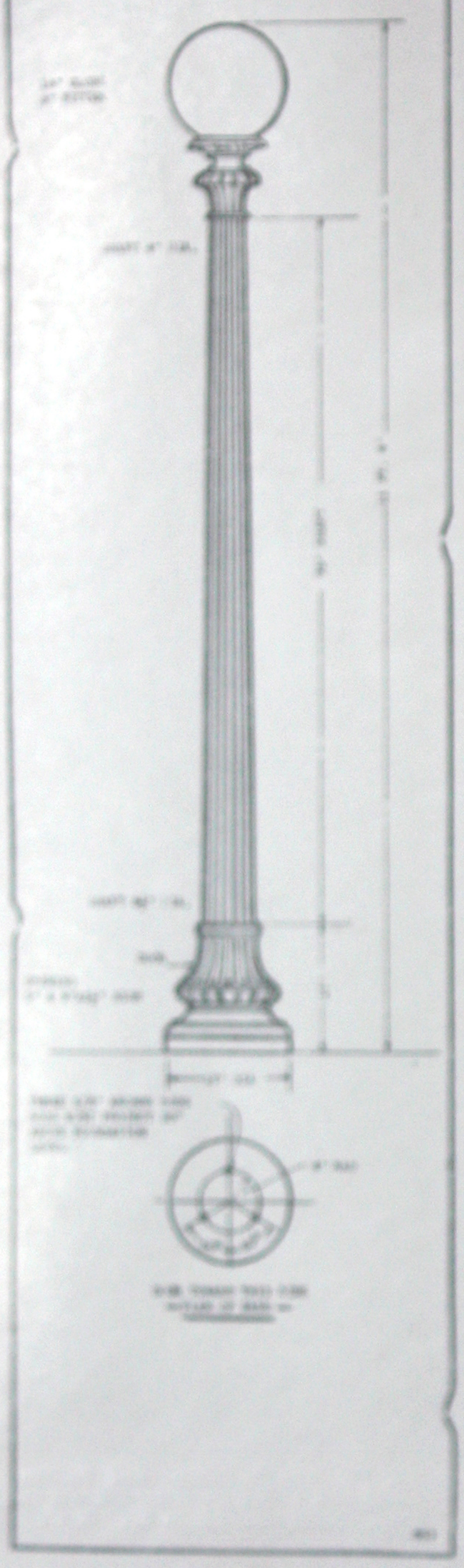
The designs are handsome, yet the cost is so reasonable that the standards may be used in quantity for any lighting proposition.

Other shapes and sizes of globes may be used in place of the 16" ball globe shown in the accompanying photographs.

Detailed dimension print with further specifications will be found on back of this page.



Design No. 883 Residential and Parkway Standard with Union Metal capital and ball globe. Shaft tapers from 6½" to 4".



Dimension print Design No. 863. Approx. shipping weight Lighting Standard only 180 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods, capital drilled and tapped to receive globes. List prices do not include glassware, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List price includes six brackets. Union Metal ventilated capital, ornamental globe bands, and American Eagle.

3. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

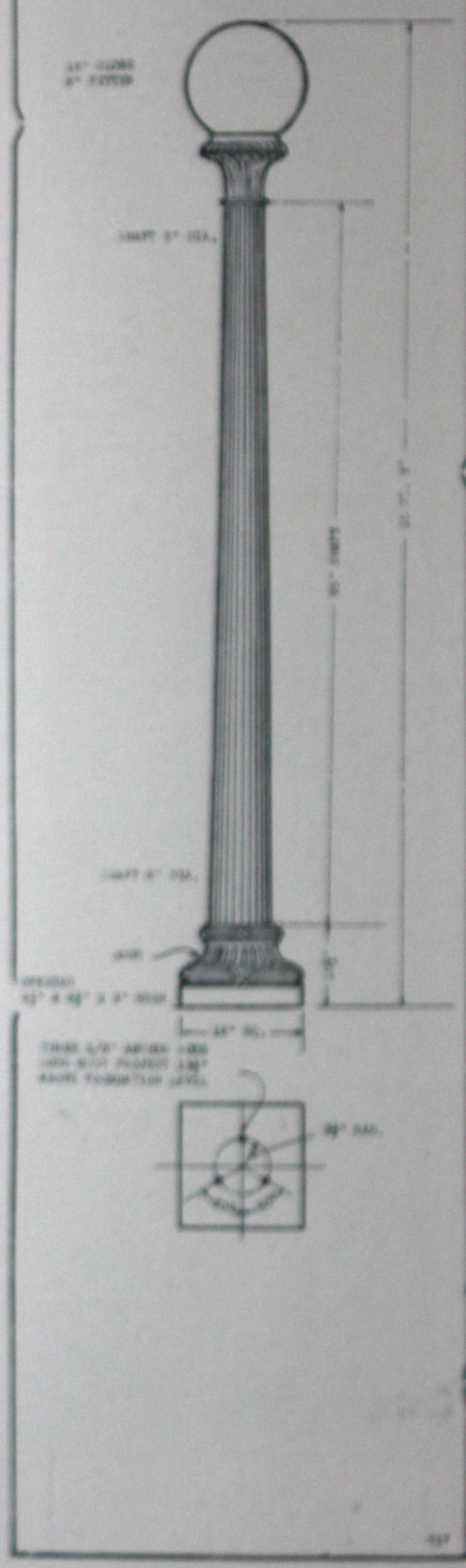
4. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

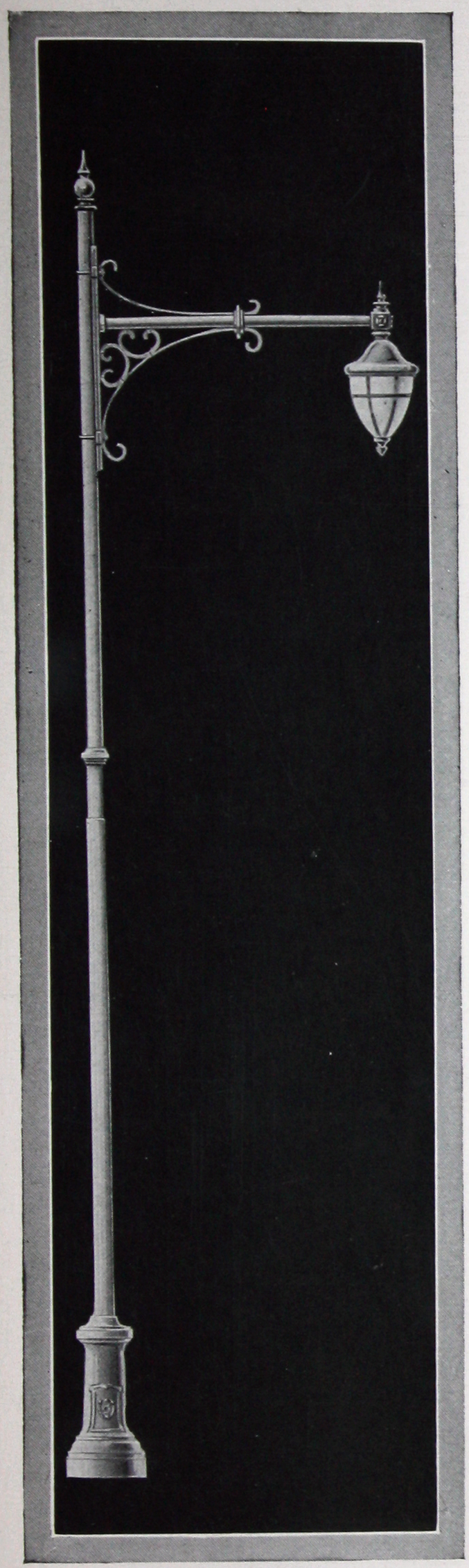
6. All standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify the exact size of globe and bottom opening so that globe holder on the capital of standard may be furnished proper size.



Dimension print Design No. 917. Approx. shipping weight Lighting Standard only 170 lbs.



Design 1260—1 Light with G. E. Form 25-B Novalux Unit (suspended type lantern) 20 ft. from ground line to light source.

Description and Specifications

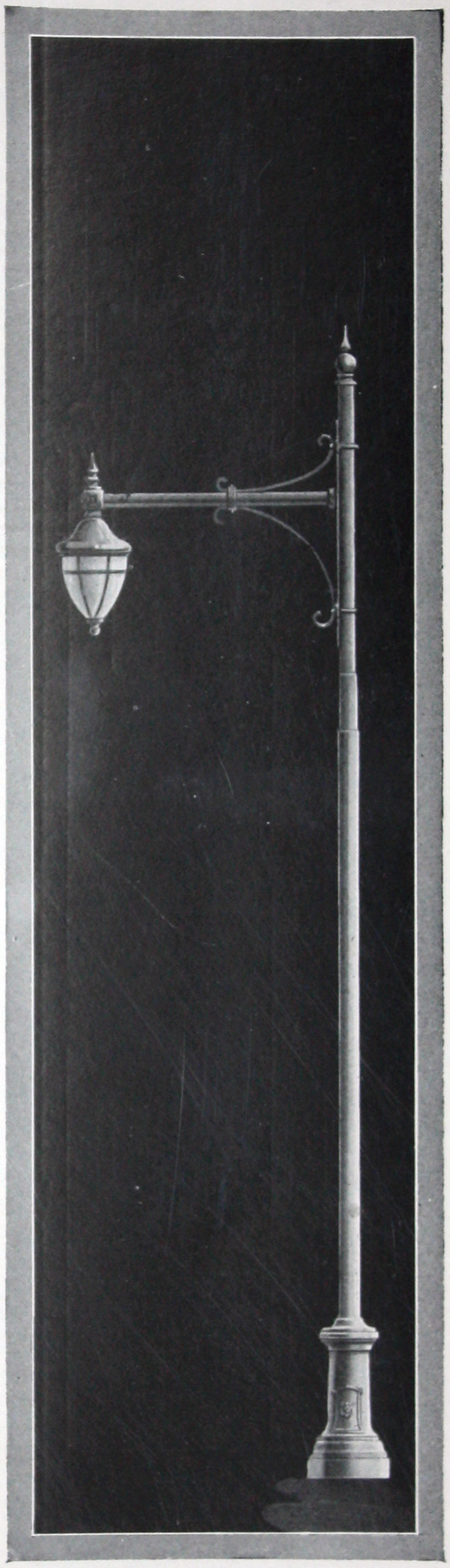
East Cleveland, a residential city with forty miles of gas lighted streets, was confronted with the problem of installing a complete new system of electric street lighting.

To solve this problem, engineers of the National Lamp Works of General Electric Co. had to plan a system that combined good illumination, economical installation and low maintenance, yet one sufficiently ornamental to harmonize with the city's natural beauty.

The design and installation of 900 Union Metal Lamp Standards shown in this page was the result. Design 1260—20 ft. to light source was used on wide main thoroughfares where the light would not be seriously obstructed by trees. The lighting source is 6 ft. out from the center of the standard.

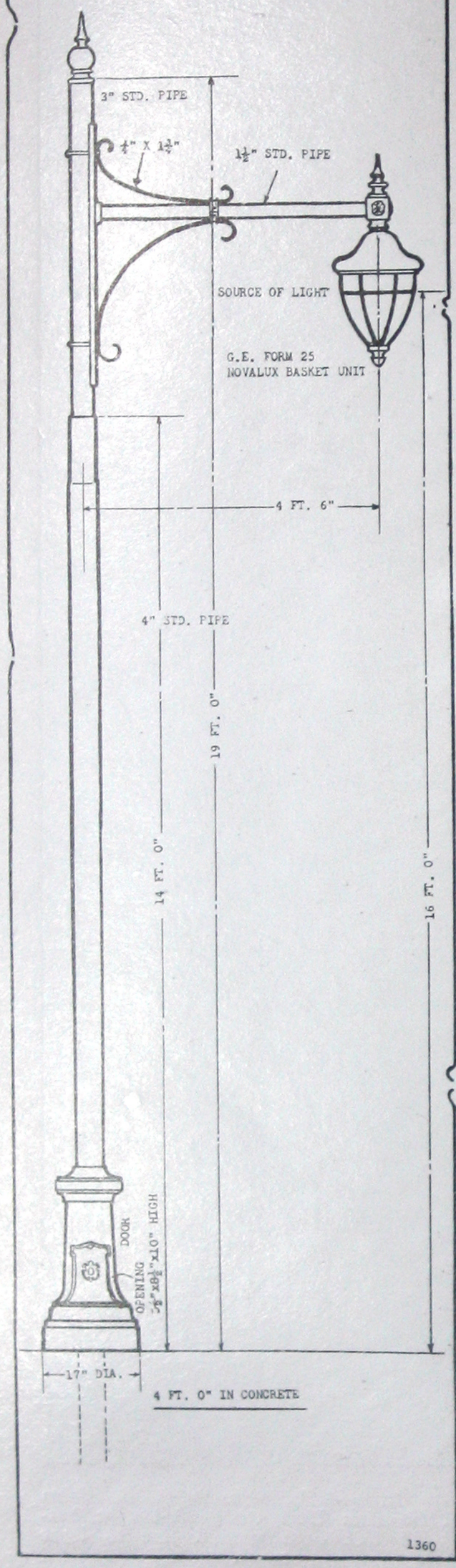
Design 1360—16 ft. to light source, was used on strictly residential streets where overhanging limbs might obstruct the light. Light source 4′ 6″ out from center of standard.

Tubular steel pole with 4″—3″ diameter sections. Base with door separate from tubular steel pole provides ornamentation.



Design 1360—1 Light with G. E. Form 25-B Novalux Unit (suspended type lantern) 16 feet from ground line to light source.

Detailed dimension print with further specifications will be found on back of this page.



Dimension print Design No. 1360 Approx. shipping weight complete standard including tubular pole, bracket and base, but without lantern 445 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

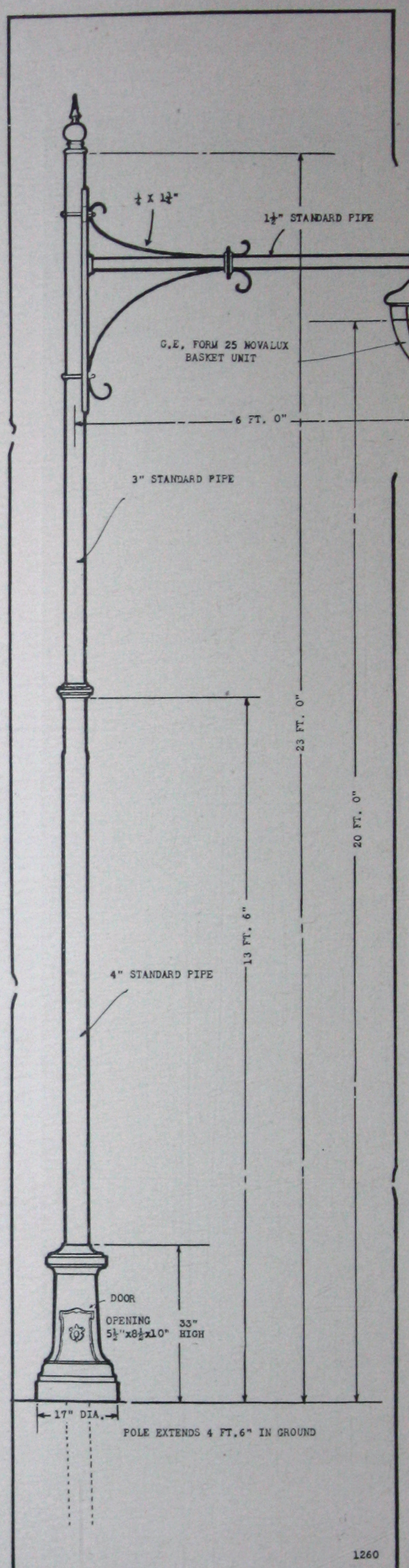
2. List prices cover Union Metal Lamp Standards complete including tubular steel poles, bases and brackets as indicated in accompanying dimension prints, adapted to receive G. E. Lighting Units. List prices do not include lighting units consisting of such items as lantern globes, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

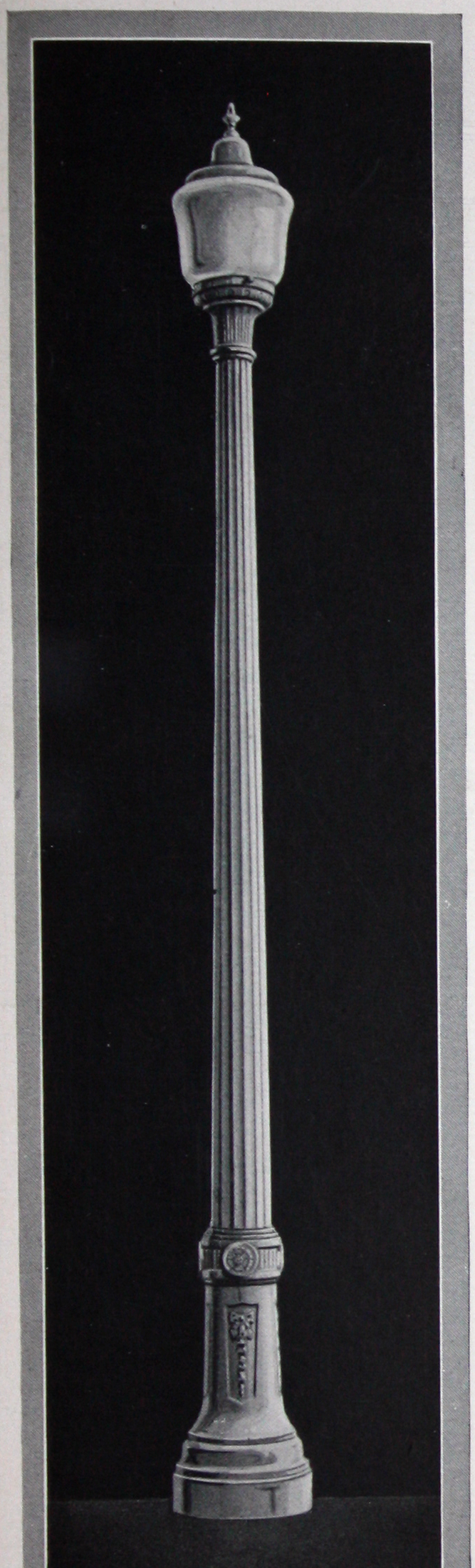
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

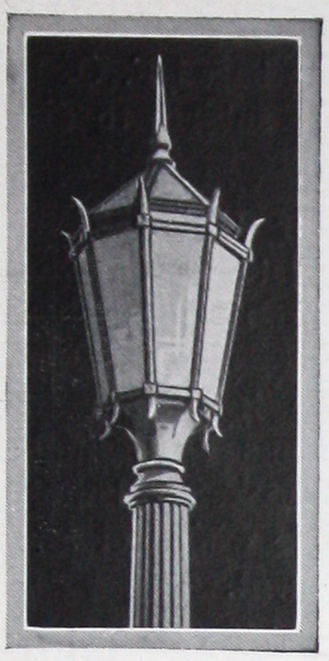
6. Always specify exact form of lighting unit that will be used with the standard.



Dimension print Design No. 1260. Approx. shipping weight complete standard including tubular pole, bracket and base, but without lantern 475 lbs.



Design 1348 Residential and Parkway Standard with G. E. Form 8 Novalux Unit. **F Casing and 13" globe. Shaft tapers from 6½" to 4".**



G. E. Form 18 Novalux Lantern 18" small size "S" casing. Top ring of standard drilled to receive lantern. Shaft tapers from 6½" to 4" and design remains No. 1348.

G. E. Form 24 Pendant Lantern 21" large size or 18" small size. Standard still remains Design No. 895.

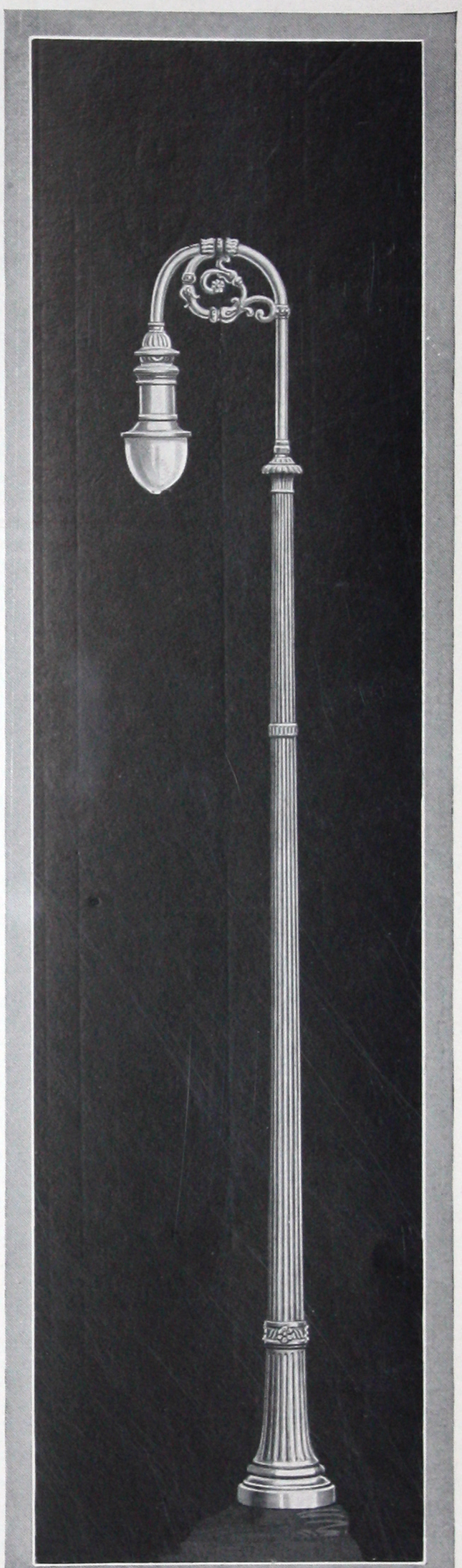
Description and Specifications

Design 1348 was developed for extensive use in lighting parks and park boulevards in Buffalo. Although considerably smaller the base corresponds rather closely with large standard design No. 1523 shown on page B-206 of this catalog which is used extensively in the business streets of Buffalo.

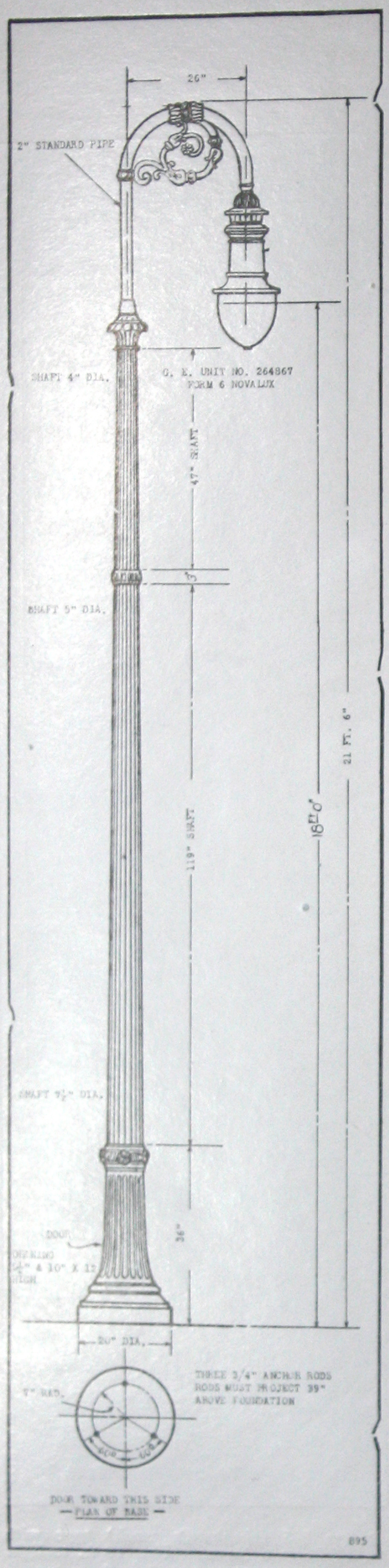
Design 895 (shepherd's crook) type was first developed for Buffalo streets that were not strictly business districts, nor strictly residential or parkway. This design combines the rather high mounting necessary to greater spacing distance. The lighting unit has refractor for properly distributing the light, yet the design is ornamental and in keeping with the rest of the Buffalo city lighting.

Installations of these two designs in Buffalo alone run into the thousands.

Detailed dimension print with further specifications will be found on back of this page.



Design 895 (shepherd's crook) tpye with G. E. Form 6 Novalux Unit 18 ft. to light source as shown here.



Dimension print design No. 895. Approx. shipping weight Lighting Standard only 425 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods are adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

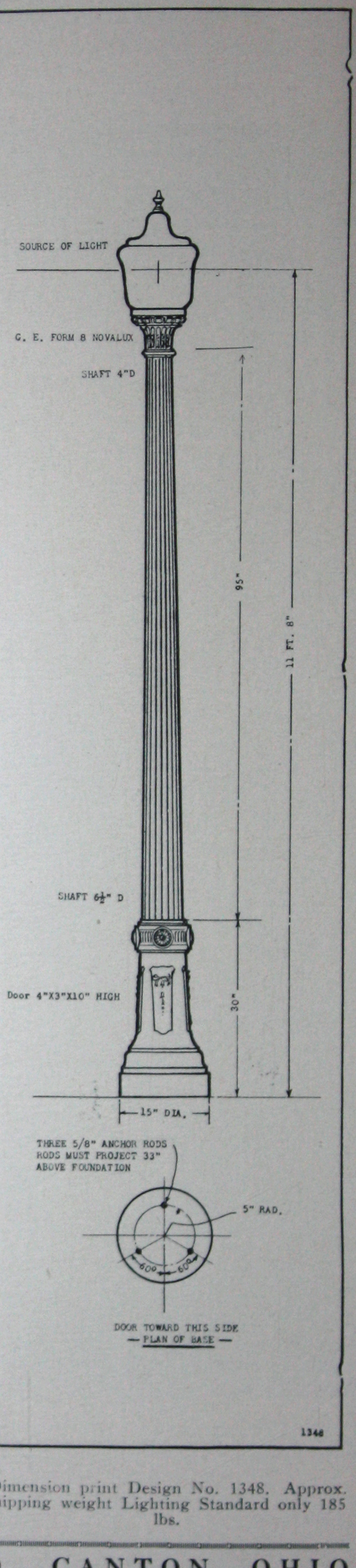
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

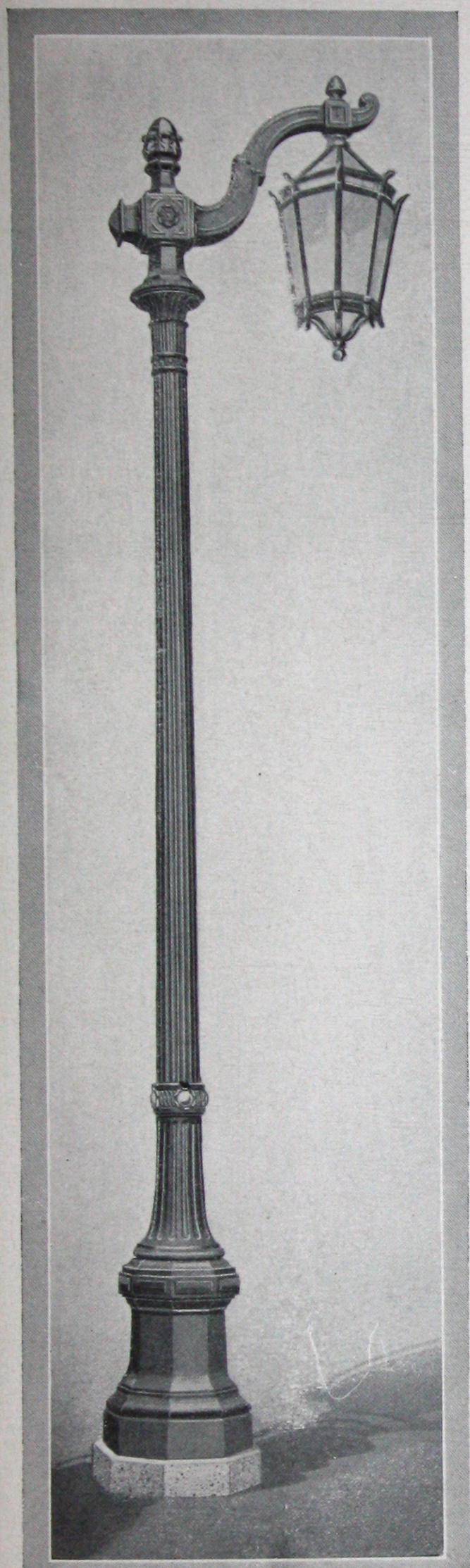
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1348. Approx. shipping weight Lighting Standard only 185 lbs.



Design 1106—1 Light Cleveland Parkway—Boulevard Standard with G. E. Form 19 Novalux Pendant Lantern 21" large size.

G. E. Novalux Pendant type Lantern Form 25-B.

Description and Specifications

This is one of the Country's most beautiful standards for the lighting of boulevards and main parkway thoroughfares.

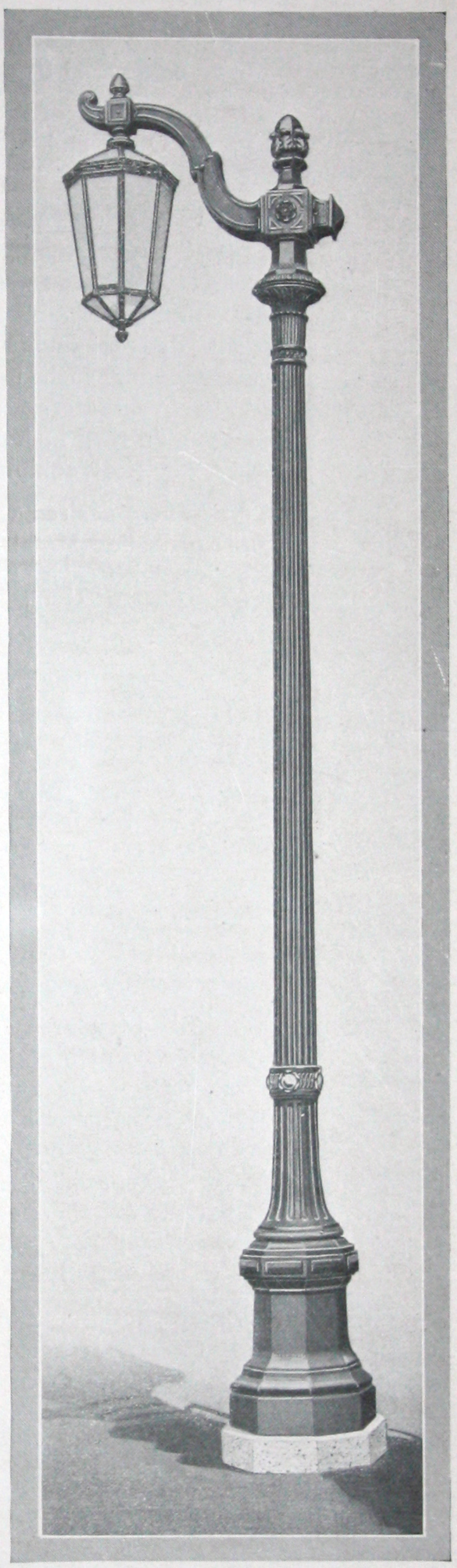
It was first developed for Cleveland by the co-operation of Union Metal Designing Engineers and Architects and members of the Cleveland Plan Commission.

Form 24 Pendant Type Lantern corresponds very closely with the upright Cleveland lantern No. 23 shown on Design 842 Page B-208 of this catalog. This standard brings the light source between 18 and 19 ft. above the ground line.

Cleveland Direction Finder a Feature of this Design

A small lamp is located in the upper part of the base and colored glass lenses or bull's eyes are located in openings to serve as signal lights to safely guide traffic through the winding parkways. In the event that the lamp in the lantern on the top of the standard should burn out, the signal lamp will become much brighter due to the special arrangement of wiring connected to the current transformer in the base of the standard.

Full description of this patented device will be found on page 424 of this catalog.



Design 1106—1 Light Cleveland Parkway—Boulevard Standard with G. E. Form 24 Novalux Pendant Lantern large size.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods are adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

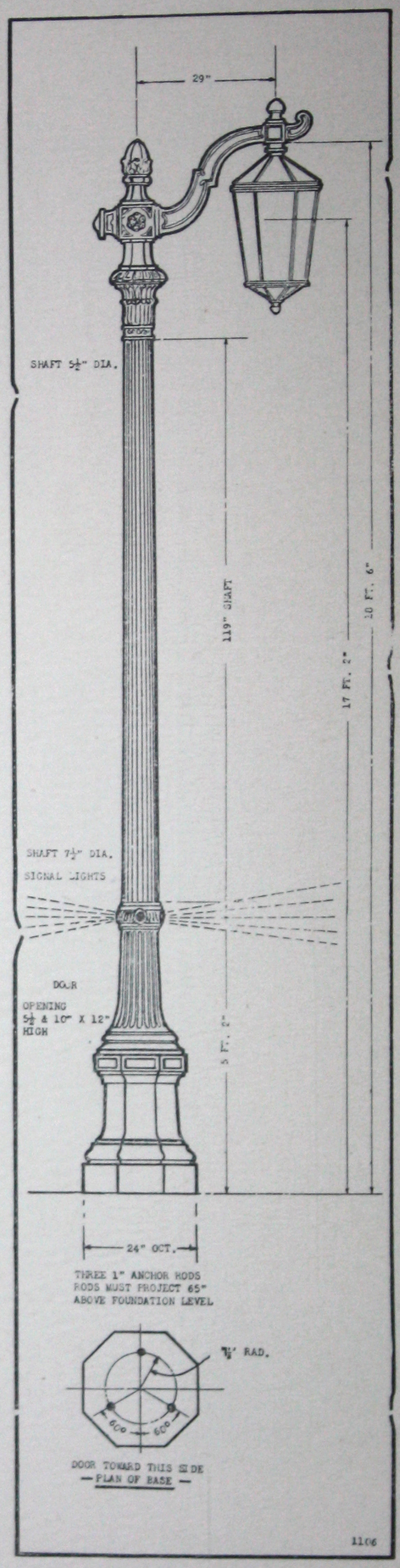
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

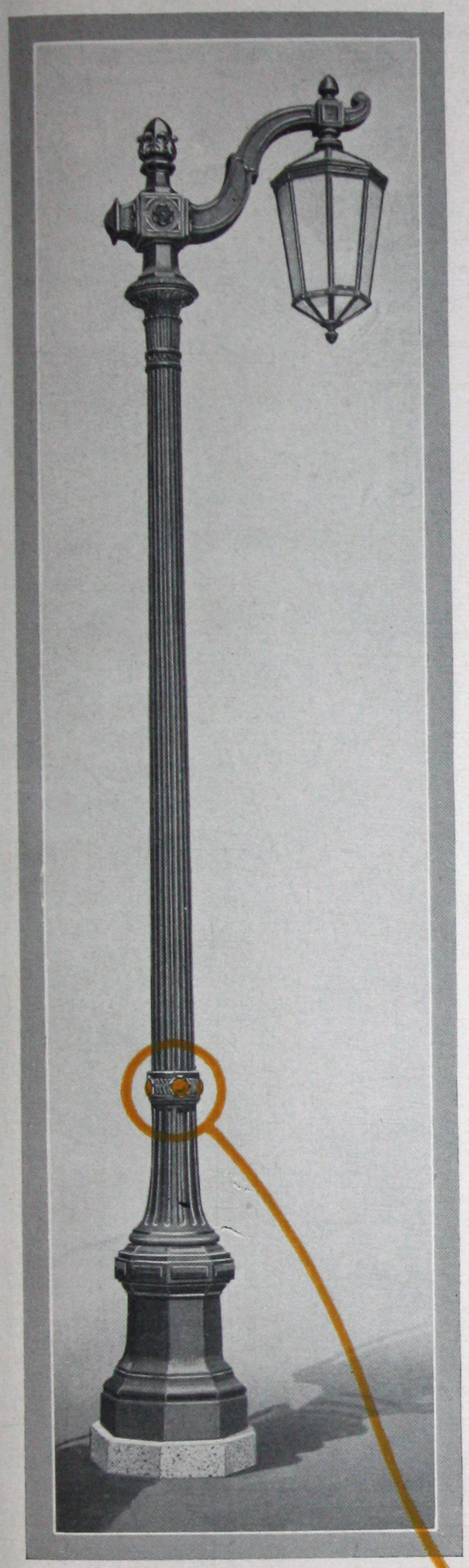
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1106 with G. E. Form 24 Novalux Pendant Lantern. Approx. shipping weight Lighting Standard only 820 lbs.



Design 1106—1 Light Cleveland Parkway—Boulevard Standard with G. E. Form 24 Novalux Pendant Lantern and Union Metal Direction Finder and Safety Signal.

Union Metal Direction Finder and Safety Signal

(Patented August 28, 1923)

This useful device was developed for use in parkway and boulevard lighting where heavy traffic prevails.

It serves as a Direction Finder or Traffic guide during normal operation of the lighting system and then automatically changes to a Safety Signal in case the main lamp goes out. It also facilitates the patrolling of the circuit at night.

Detailed Description

The Union Metal Direction Finder and Safety Signal is normally employed in the following manner: An ornamental Lamp Standard is provided with two lamps, one of them being a high candle power unit placed at or near the top of the standard for purpose of general street or boulevard illumination; the other being a relatively low candle power lamp mounted at or near the top of the standard base, usually from 4 to 6 feet above the ground line.

Both Lamps are connected in parallel across the secondary terminals of an alternating current transformer; the large lamp being operated at the normal secondary voltage of the transformer while the smaller, a signal lamp, with a higher voltage rating than the larger lamp normally burns under its regular rated voltage. It is thus seen that in normal operation the top light burns at full intensity and the small direction finder light operating at lower than its rated voltage, burns at reduced intensity.

Serving Either As Direction Finder or Safety Signal

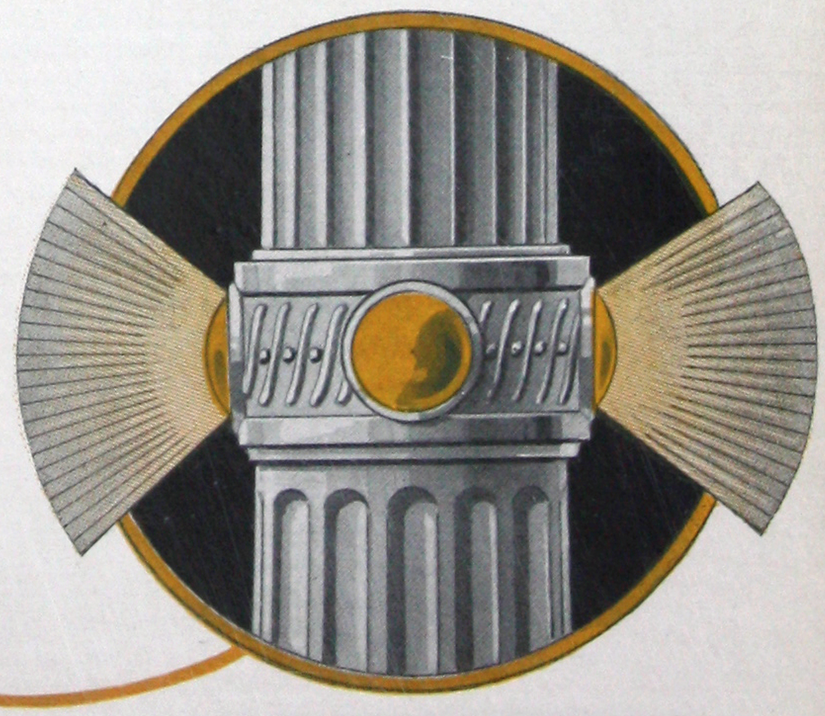
Operating in this manner, the small lamp shining dimly through the four red bull's-eyes, serves as a Direction Finder or traffic guide for drivers.

Should the large lamp burn out or cease to function, due to a short circuit, ground, or other difficulty, the lower lamp receives the increased voltage, due to reduction of load on transformer, which causes it to burn brightly, or at its full candle power.

It thus floods the dark zone in the lighting system with a red warning light and performs its second function as a Safety Signal.

Facilitates Patrolling of Circuit

In actual operation, the use of the signal device facilitates patrolling of the circuit. The patrolman does not have to cover the entire circuit as he can see the red danger signal quite a distance, when the red light is burning at full candle power, which advises him of a burn out of the large lamp. This saving of patrol expense, by the elimination of covering the entire circuit, pays in a short time for the slight additional cost of the direction finder.



Enlarged view Union Metal Direction Finder and Safety Signal fully described in these pages.

Colored Bull's-eyes Used in This System

The Union Metal Mfg. Co. provides with each standard of this type, a specially constructed base member containing four colored bull's-eyes about 3″ in diameter. Some prefer four red bull's-eyes, one on the boulevard or driveway side, one on each of the approaches to the standard, and one on the inside park or grass side of the Standard. In other cases, the red may be used only on the driveway or danger side, and green glass on the two approaches to the standard. This is a detail that is easily worked out in each individual installation.

A Regular Current Transformer Used With This System

The current transformer referred to in this description is not special, but is a standard type quite generally employed today in high efficiency and high candle power single light systems.

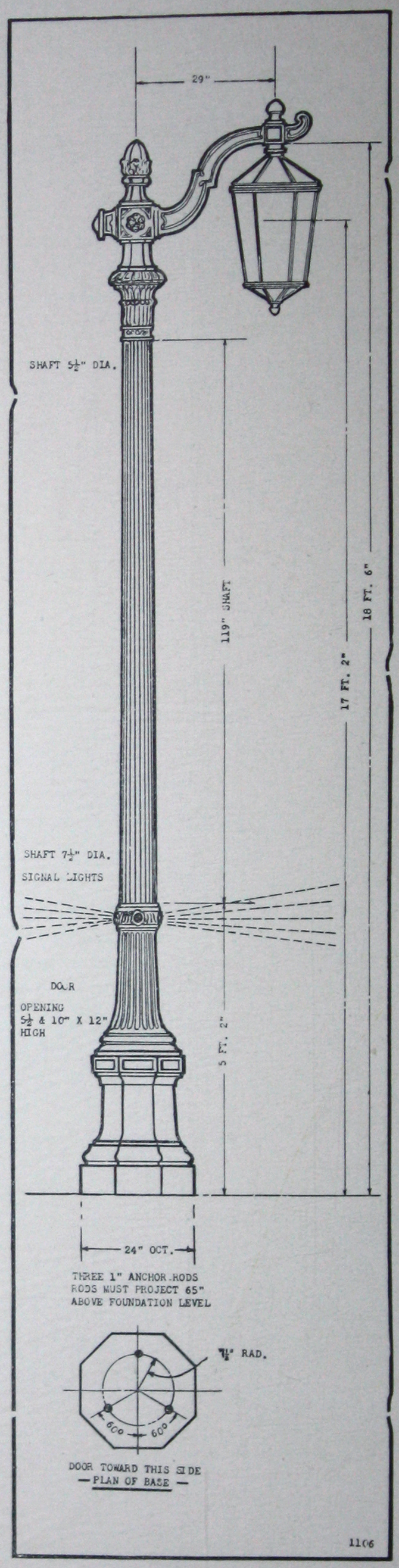
The installation of current transformers in the bases of standards or in man-holes close-by, keeps the high voltage at or below the ground line and not only affords safety but the lamps burning at low voltage and relatively high current are more rugged and have longer life.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and brackets, adapted to receive G. E. Lighting Units. List prices also include Direction Finder device complete with socket and socket mounting, colored bull's-eyes, etc., but does not include small lamp nor wiring. List prices do not include the main or top lighting units such as lanterns, sockets, refractors, or lamp, nor do they include wiring or any other electrical equipment.

3. Where desired, we are pleased to quote on these standards complete with lantern units as shown, or any other material referred to in Item 2.



Dimension print Design 1106 with Union Metal Direction Finder and Safety Signal. Approx. weight 820 lbs.

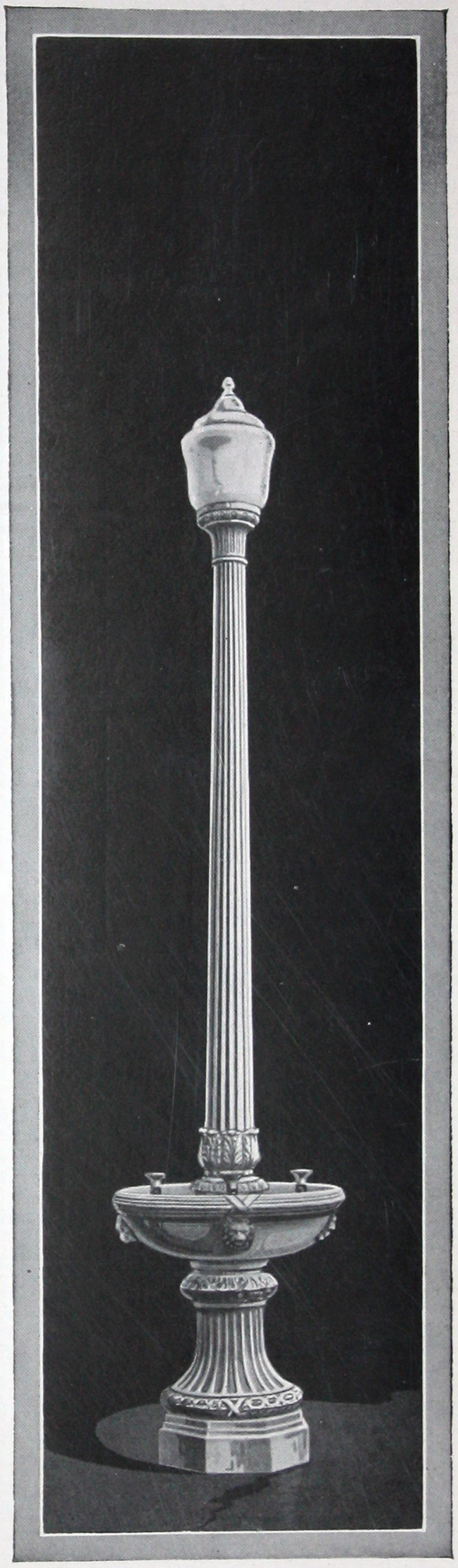
Design 904 with G. E. Form 9 Novalux Unit and Union Metal 33" diameter flower bowl.

Description and Specifications

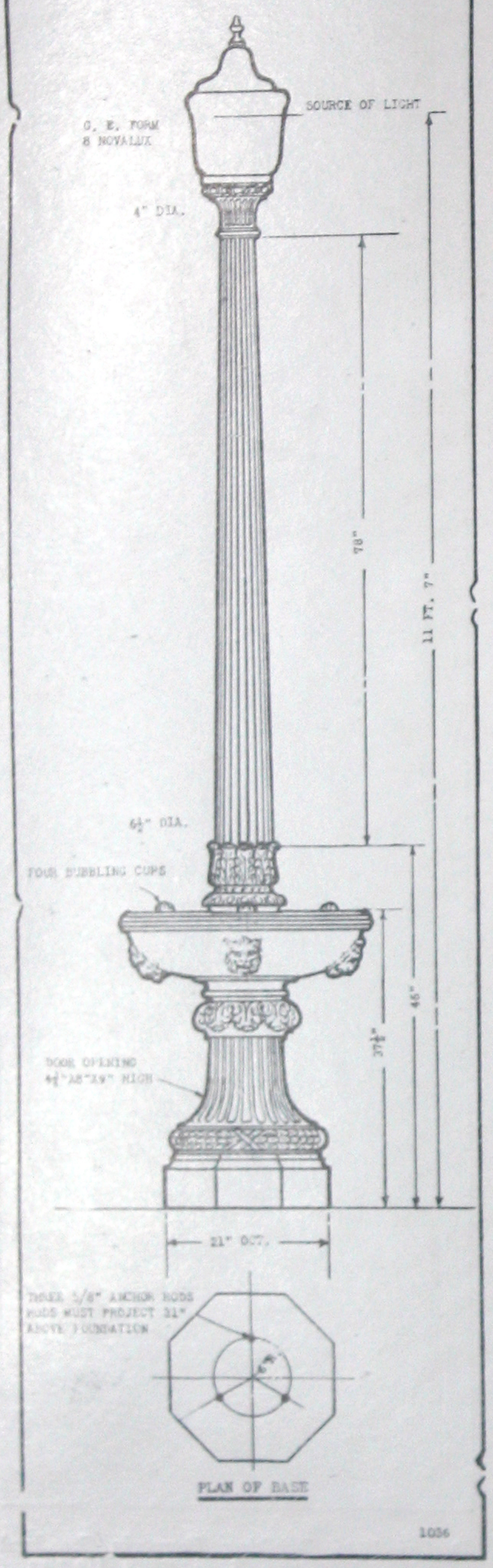
The flower bowl standard was first designed for Allentown, Penna., where several hundred have been installed in the business district. In the summer months vines and flowers are planted in the bowls and in the late fall balsam boughs take their place.

This design is popular for public parks such as capital grounds and also for large private estates and grounds. The design as shown above is our No. 807 fitted with G. E. Form 9 Novalux unit and Union Metal bowl. This bowl can be used with most of our designs having shafts 7½", 8" or 9½" base diameters with 6" top diameters.

The Drinking Bowl on Design 1036 is fitted with four bubbling cups. When desired the bubbling cups may be omitted and the unit used as a flower bowl standard.



Design 1036 Drinking Fountain Standard with G. E. Form 8 Novalux Unit and Union Metal 33" drinking fountain.



Dimension print Design No. 1036. Approx. shipping weight including drinking fountain 585 lbs.

Additional Specifications

1. All list prices are based F. O. B Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices on Design 904 includes Flower Bowl and necessary fittings pertaining to it. In Design 1036 list prices include Drinking Bowl and four bubbling cups. Prices upon base and bowl only without lighting unit will be quoted upon application.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

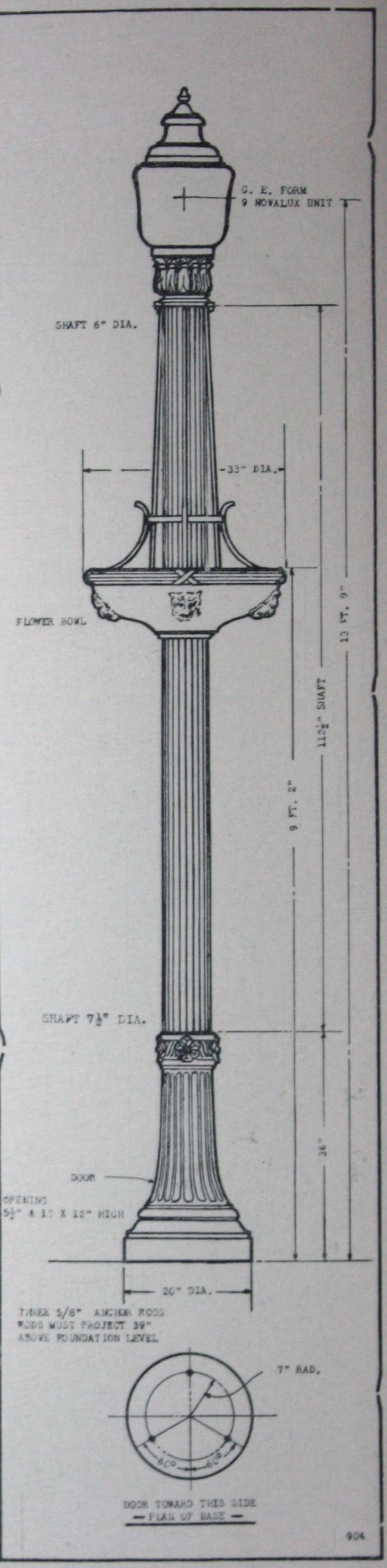
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

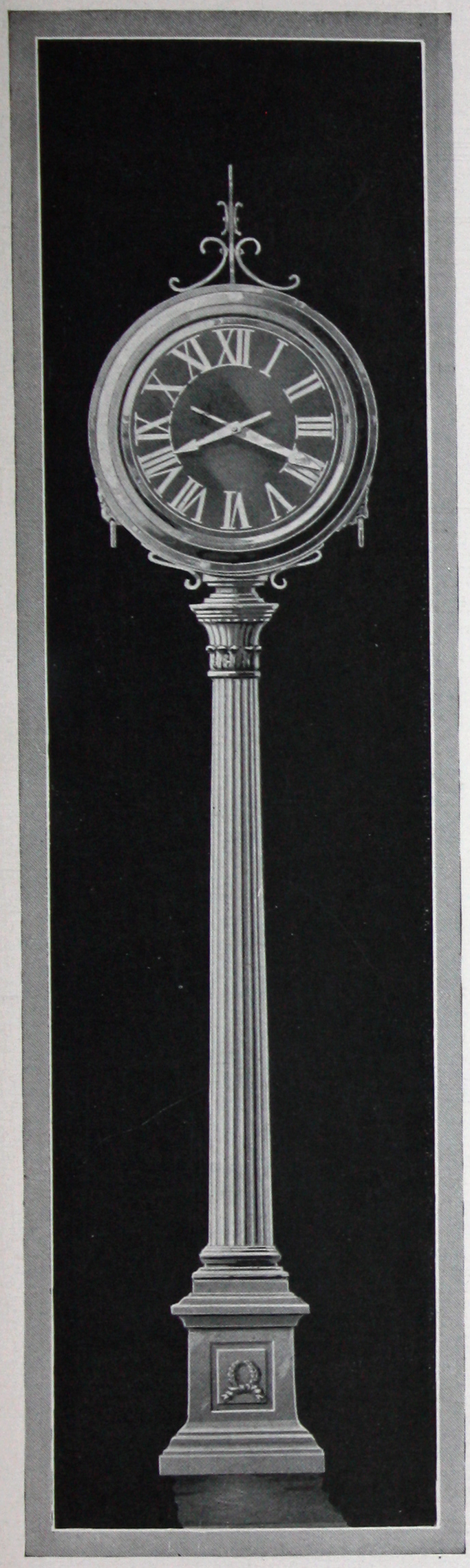
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 904. Approx. shipping weight with flower bowl 550 lbs. Approx. shipping weight flower bowl and fittings only 240 lbs.



Design 1586 Union Metal Clock Standard.

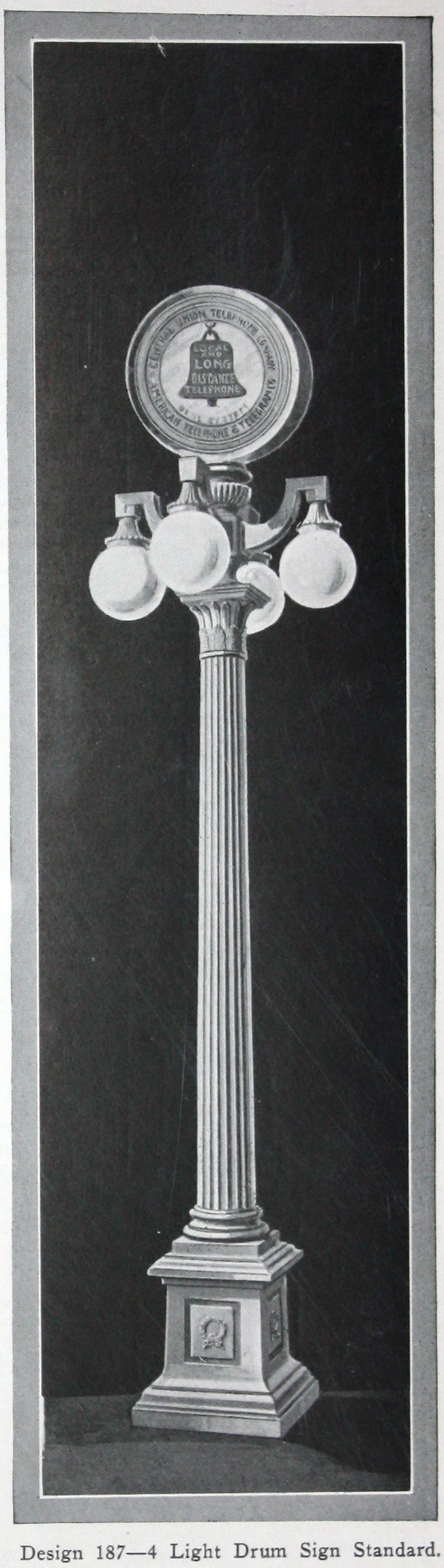
Description and Specifications

Design 1586 is a typical clock type of standard furnished by The Union Metal Mfg. Co. The designs in this particular classification vary greatly as every large manufacturer of street clocks requires his own special type of standard.

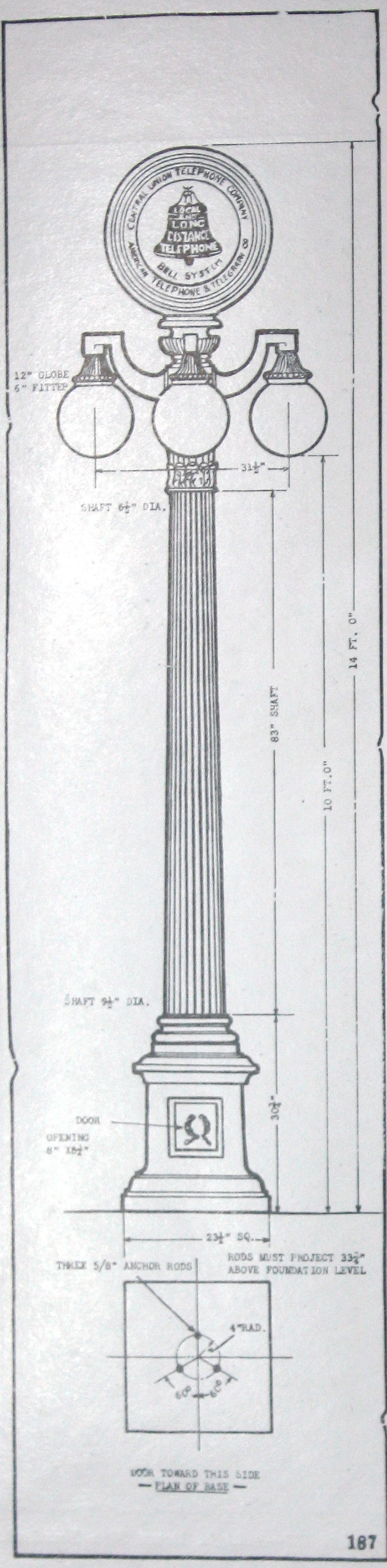
Special designs will be furnished by our Engineering Department upon application.

Drum sign Standard No. 187 has been a particularly popular design in the Union Metal Line for many years. It serves as a combination lighting unit and sign standard.

Detailed dimension print with further specifications will be found on back of this page.



Design 187—4 Light Drum Sign Standard.



Dimension print Design No. 187 Union Metal Drum Sign Standard. Approx. shipping weight including casing and glass for drum sign, but not including pendant globes 655 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices on drum sign standard No. 187 cover standard complete including the drum sign fitted with sockets, multiple wiring, and glass sign lettered to order. List prices, however, do not include pendant globes, sockets, or wiring for the main standard.

3. Where desired we are pleased to quote on standards complete with pendant globes or any other material referred to in Item 2.

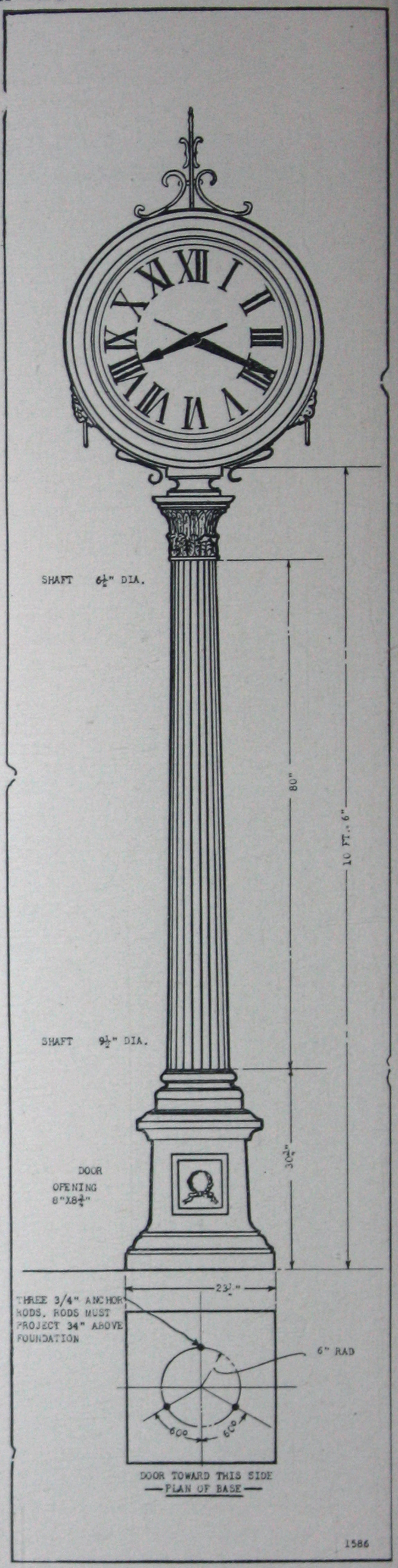
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

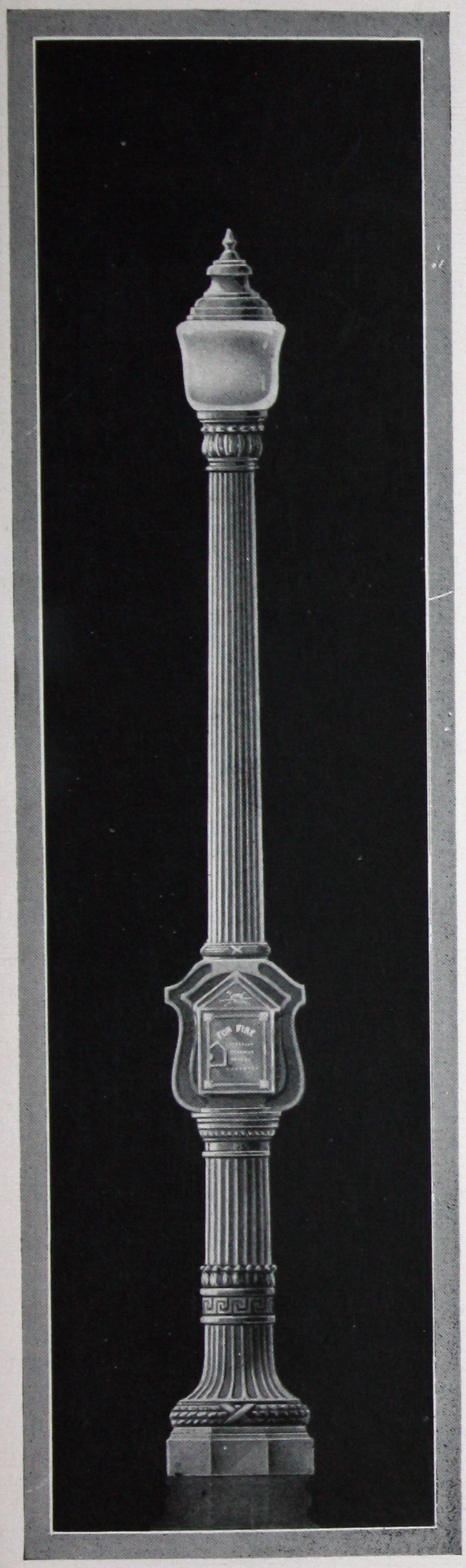
6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards. This sign can be used on most designs having 8 inch top globe fitters.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.



Dimension print Design No. 1586 Union Metal Clock Standard. Approx. shipping weight of Standard only 400 lbs.



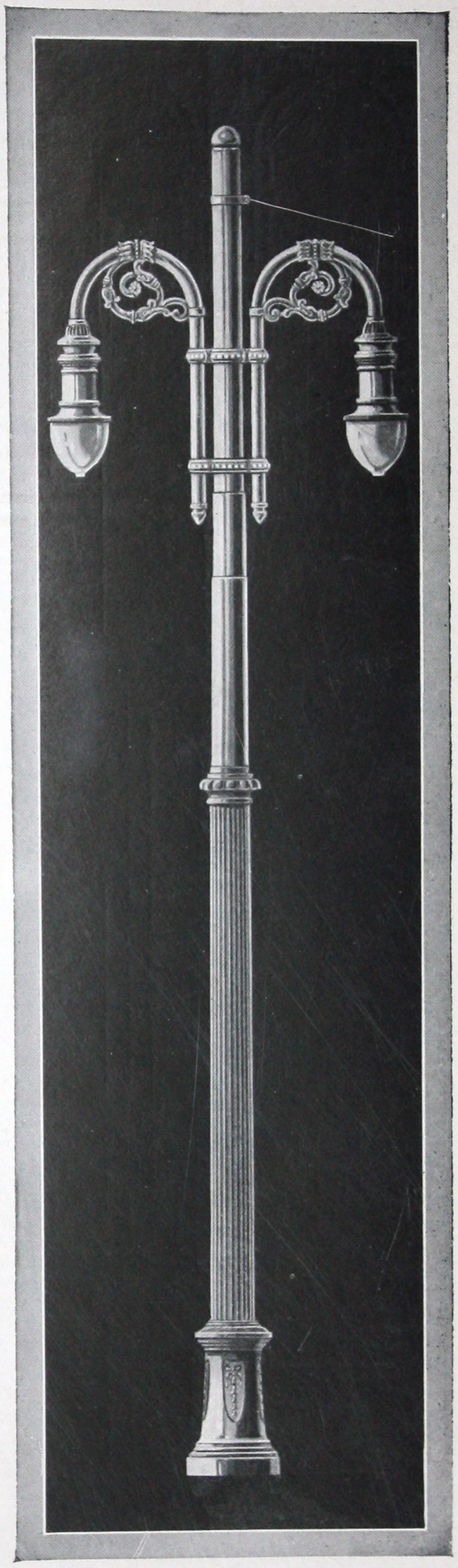
Design 1633 Fire Alarm Standard with G. E. Form 9 Novalux Unit.

Description and Specifications

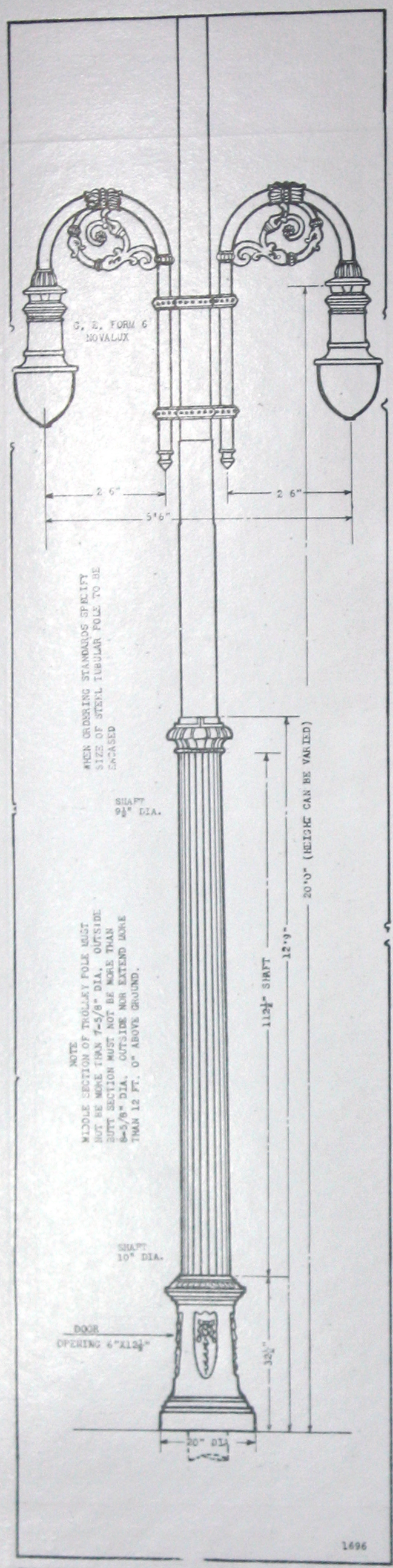
Design 1633 is a combination lighting and fire alarm standard. The fire alarm box is mounted in the shaft as indicated and when so installed, not only makes a pleasing appearance, but reduces the number of street obstructions.

Design 1696 serves the dual purpose as support for trolley span wires and ornamental lighting standard. The base and shaft telescope over the tubular street trolley pole and beautify it up to the point that is usually noticed by pedestrians. Most pedestrians think only of the unit as an ornamental lighting standard and do not know the useful function it performs as a span wire support. Two Union Metal Brackets are used for suspending the G. E. Form 6 Pendant Type Novalux Units.

Detailed dimension print with further specifications will be found on back of this page.



Design No. 1696 Combination Trolley Pole and Casing Type Standard with Union Metal Brackets and G. E. Form 6 Novalux Pendant Units.



Dimension print Design No. 1696. Approx. shipping weight Lighting Standard only without tubular steel trolley pole or Novalux Units, 480 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles but they will be quoted upon and furnished by us when desired. List prices do not include fire alarm box shown on Design 1633.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

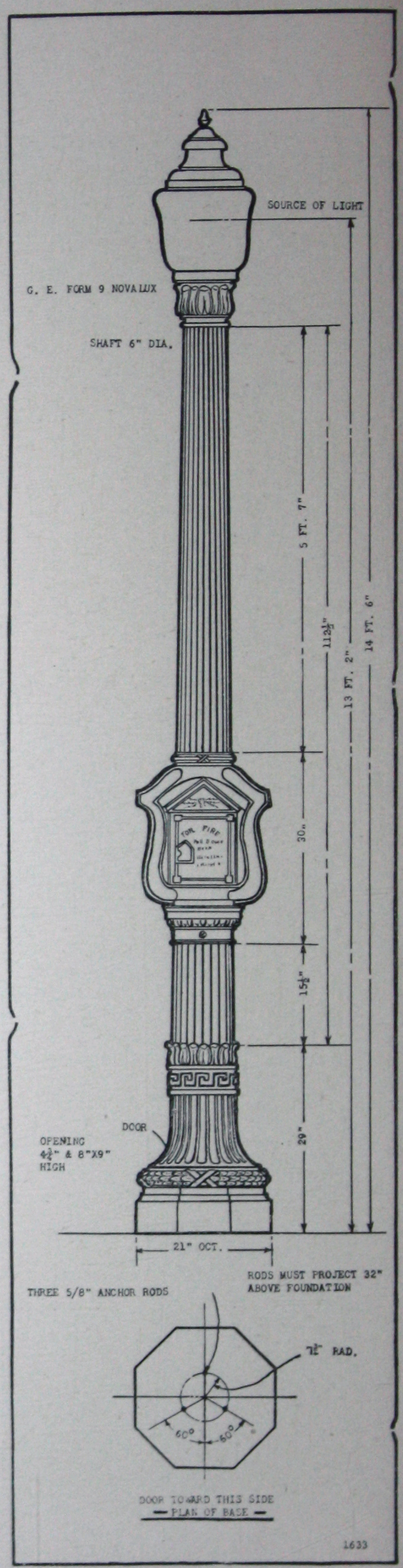
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

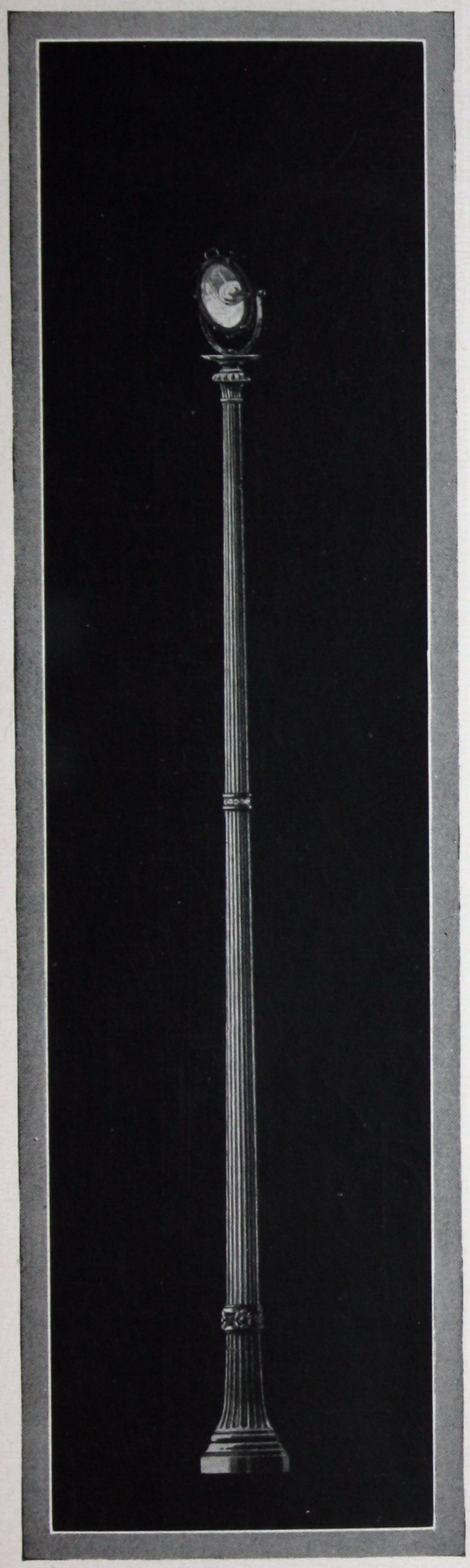
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1633. Approx. shipping weight Lighting Standard only 420 lbs.



Design No. 1706 with G. E. Form L-15 flood light Projector.

Description and Specifications

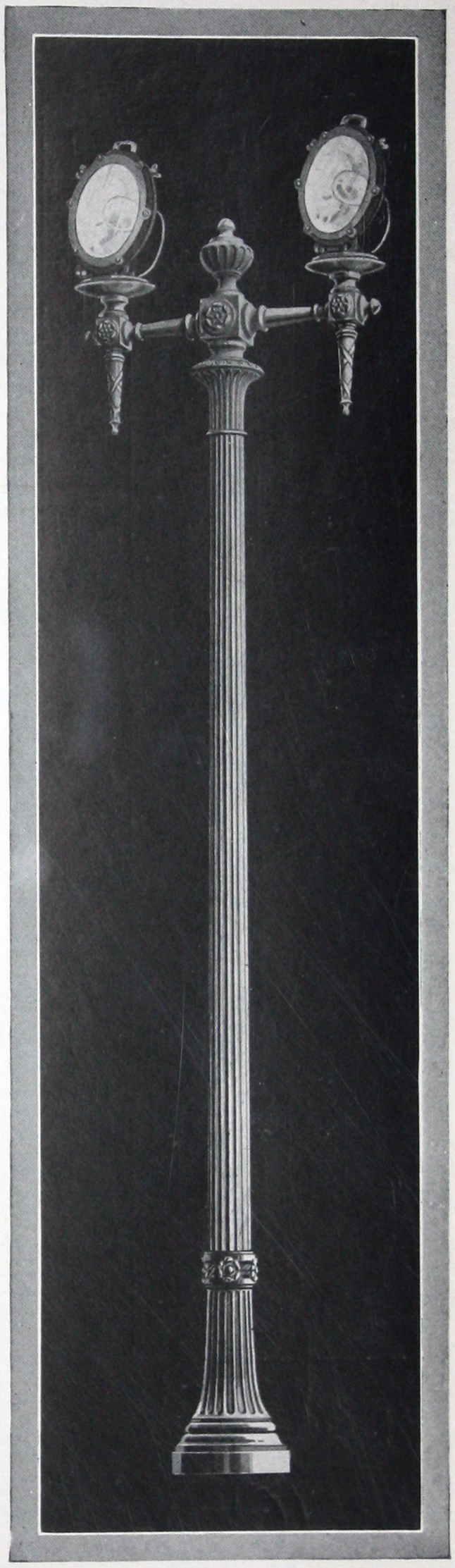
Special Standards for mounting of flood light projectors are part of the Union Metal line.

Almost every lighting condition calls for a different type of standard for mounting the projectors, therefore it is impossible to give a complete list of standards available for this purpose.

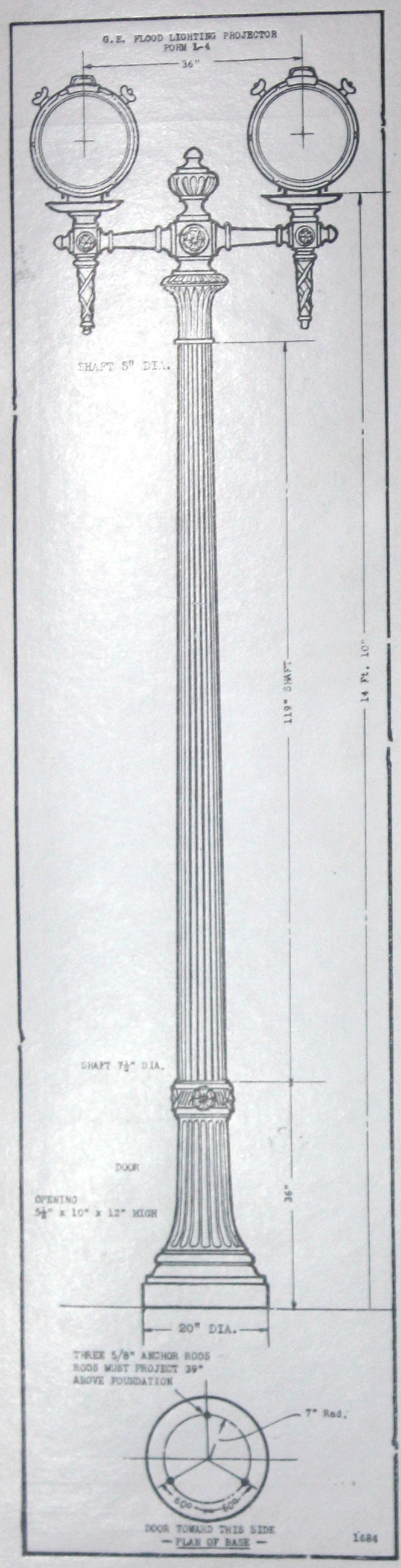
Almost every lighting condition can be met by our engineers and we solicit inquiries on special standards for this class of work.

Design No. 1706 was developed for places where an extremely tall standard was required. The distance from the ground line to the bottom flood light projector being 20 ft.

Design No. 1684 provides a normal mounting height above the curb line. In this case the distance from ground line to bottom of flood light projector is 14′ 10″.



Design No. 1684 with two G. E. Form L-4 flood light Projectors.



Dimension print Design No. 1684. Approx. shipping weight Standard only 470 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

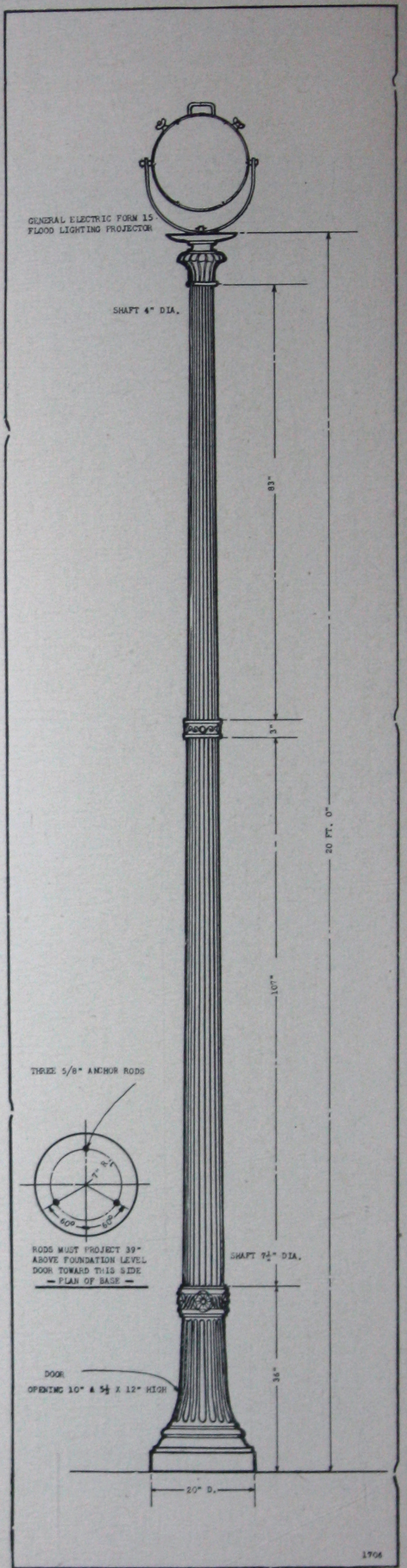
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

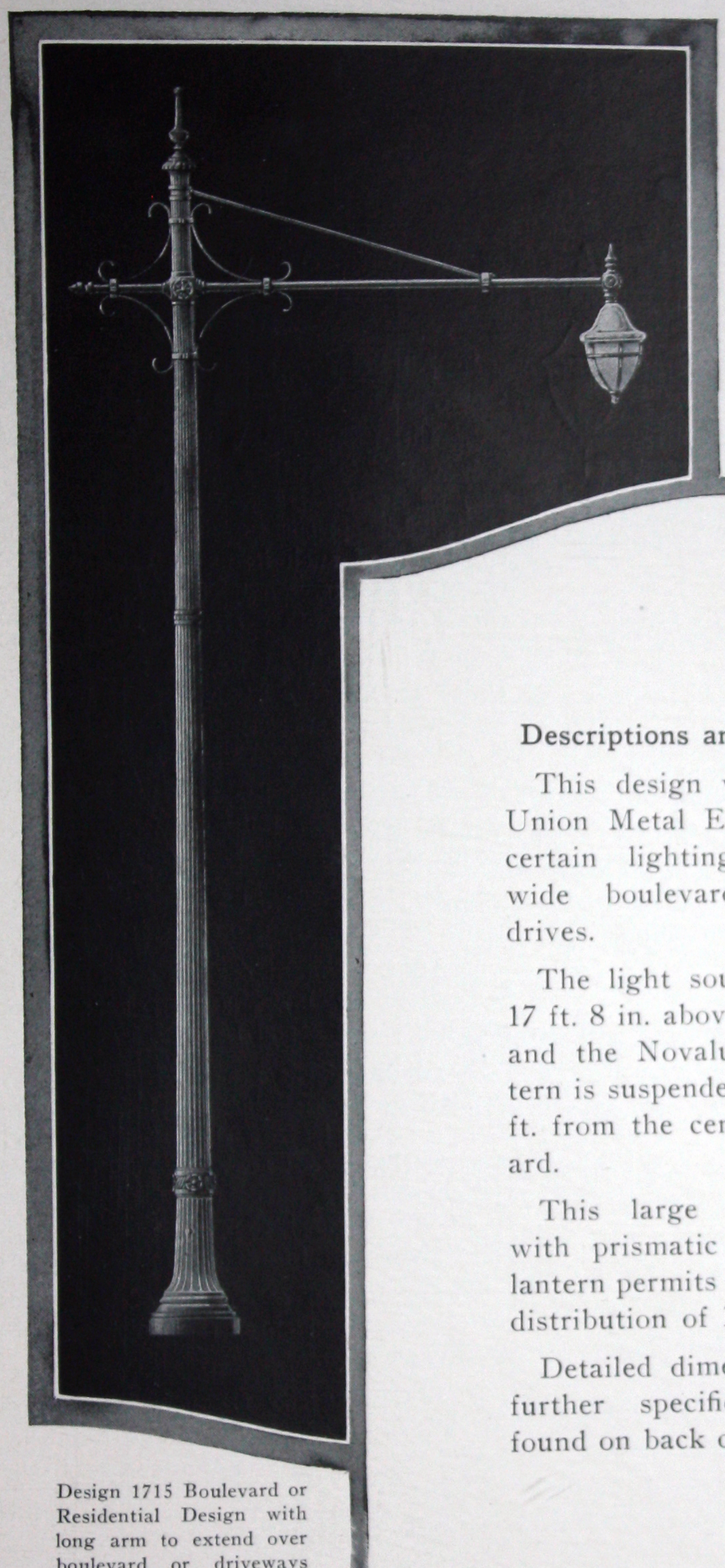
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1706. Approx. shipping weight Standard only 390 lbs.



Design 1715 Boulevard or Residential Design with long arm to extend over boulevard or driveways fitted with G. E. Form 25-B Novalux Pendant Lantern.

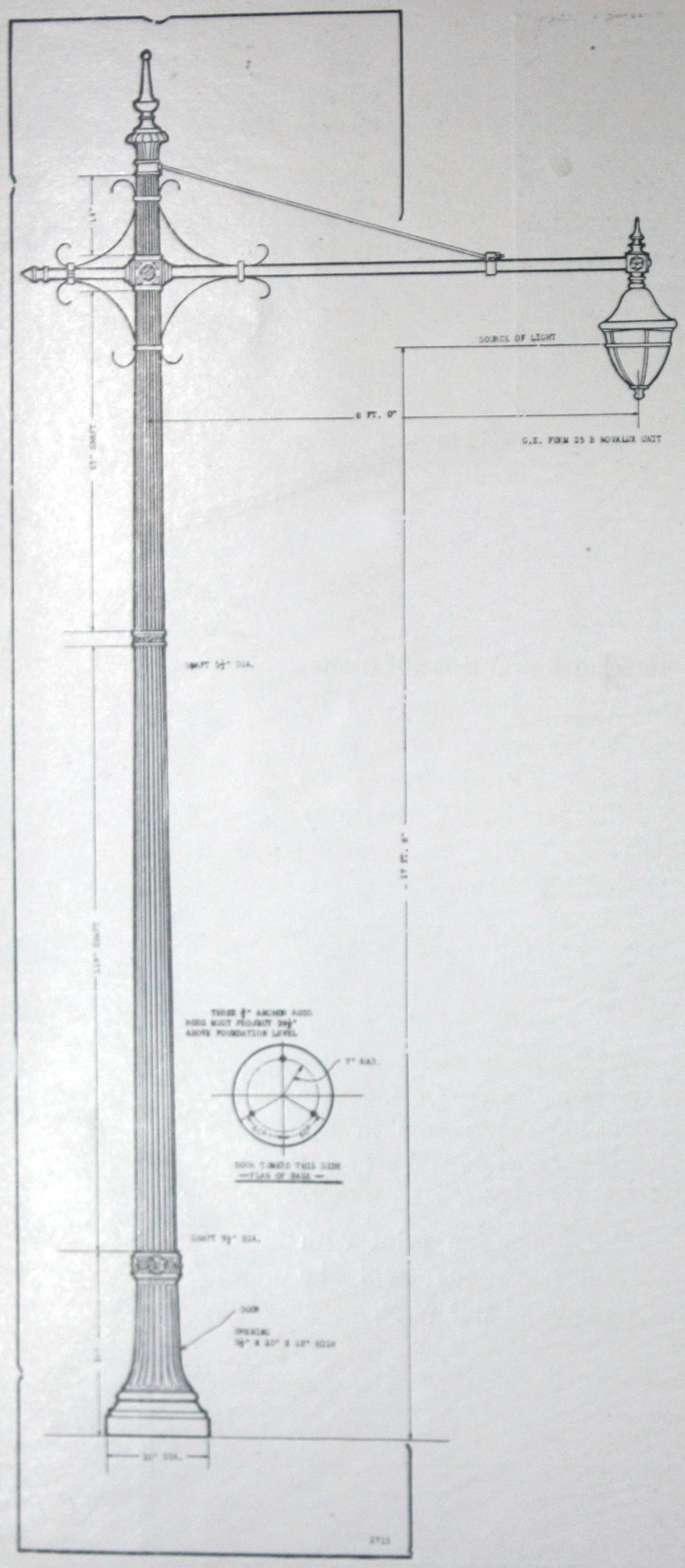
Descriptions and Specifications

This design was prepared by Union Metal Engineers to meet certain lighting conditions on wide boulevards or parkway drives.

The light source as shown is 17 ft. 8 in. above the ground line and the Novalux Pendant Lantern is suspended from the arm 8 ft. from the center of the standard.

This large spread, together with prismatic refractor in the lantern permits wide and efficient distribution of light.

Detailed dimension print with further specifications will be found on back of this page.



Design 1715 Boulevard or Residential Design. Approx. shipping weight Lighting Standard only 550 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

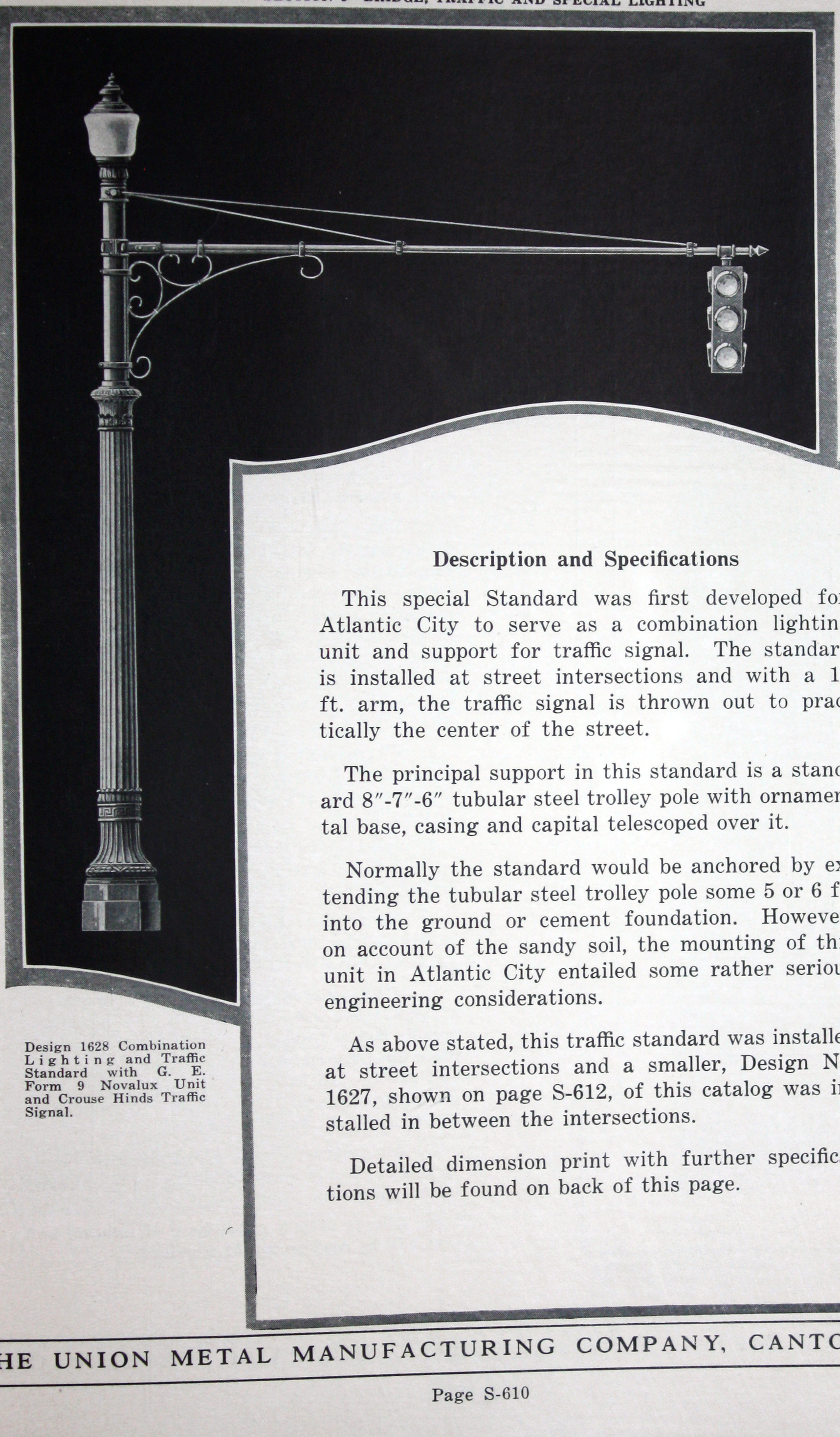
6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.

SECTION 5—BRIDGE, TRAFFIC AND SPECIAL LIGHTING



Design 1628 Combination Lighting and Traffic Standard with G. E. Form 9 Novalux Unit and Crouse Hinds Traffic Signal.

Description and Specifications

This special Standard was first developed for Atlantic City to serve as a combination lighting unit and support for traffic signal. The standard is installed at street intersections and with a 15 ft. arm, the traffic signal is thrown out to practically the center of the street.

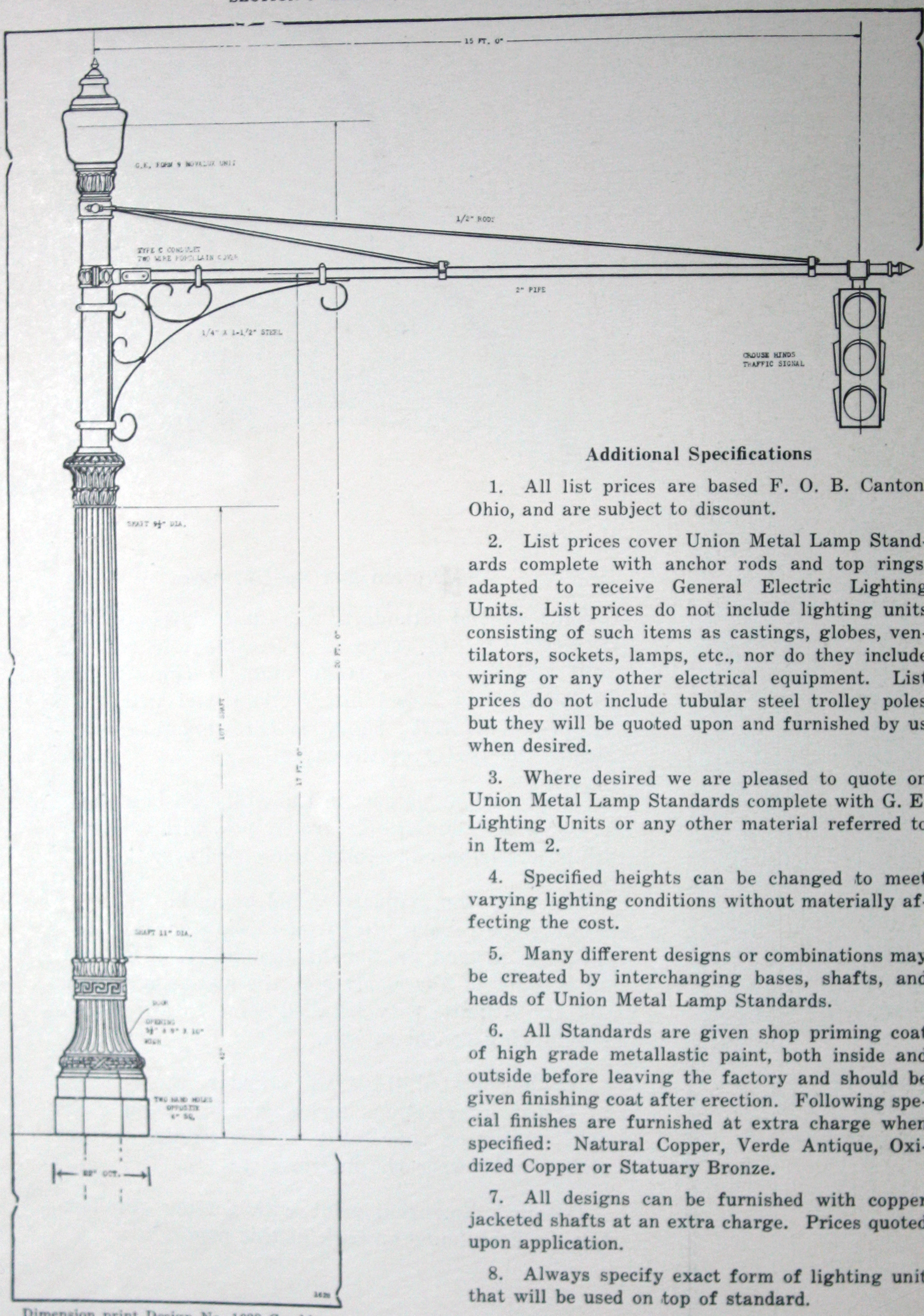
The principal support in this standard is a standard 8″-7″-6″ tubular steel trolley pole with ornamental base, casing and capital telescoped over it.

Normally the standard would be anchored by extending the tubular steel trolley pole some 5 or 6 ft. into the ground or cement foundation. However, on account of the sandy soil, the mounting of this unit in Atlantic City entailed some rather serious engineering considerations.

As above stated, this traffic standard was installed at street intersections and a smaller, Design No. 1627, shown on page S-612, of this catalog was installed in between the intersections.

Detailed dimension print with further specifications will be found on back of this page.

SECTION 5—BRIDGE, TRAFFIC AND SPECIAL LIGHTING



Dimension print Design No. 1628 Combination Lighting and Traffic Signal Standard. Approx. shipping weight Standard only 625 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as castings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices do not include tubular steel trolley poles but they will be quoted upon and furnished by us when desired.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

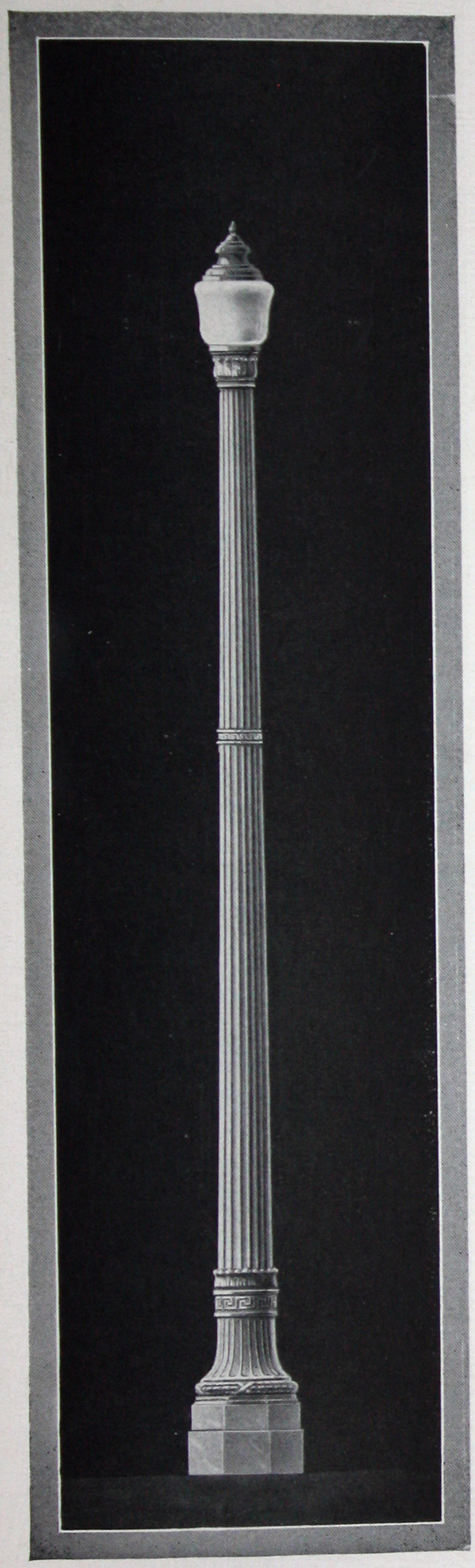
4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify exact form of lighting unit that will be used on top of standard.



Design No. 1627 with G. E. Form 9 Novalux Unit. Shaft tapers from 11″ to 6½″. Light source 20 ft. above ground line.

Description and Specifications

Design No. 1627 is installed in conjunction with Atlantic City Traffic Standard Design No. 1628 shown on page S-610 of this catalog.

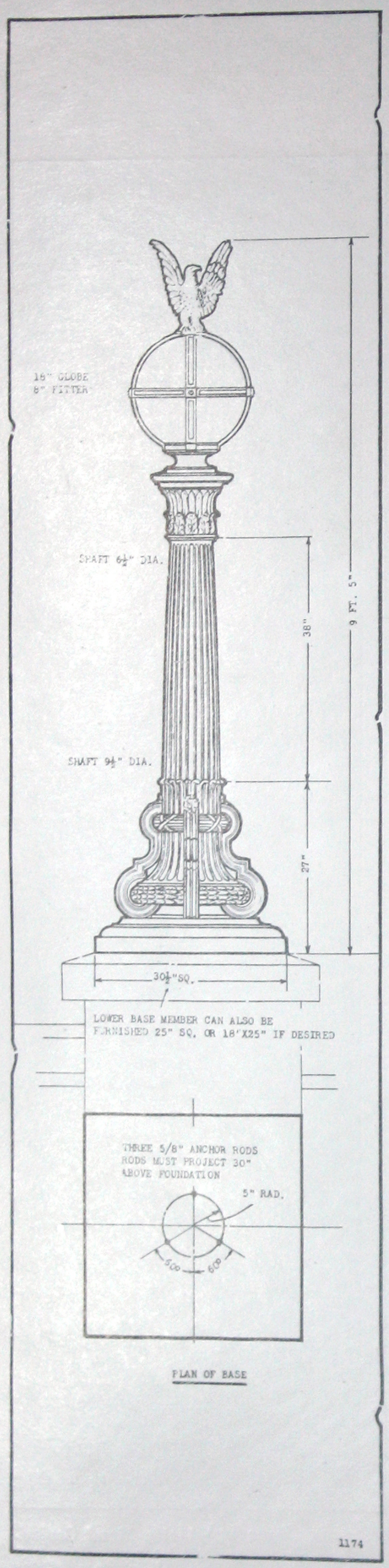
In this case the standard is 20 ft. to the light source, the same as the traffic signal design and is installed in between street intersections.

Design No. 1174 is one of a hundred or more designs of shorter type standards used for bridge or viaduct lighting or for entrances to fine public buildings.

Standard is furnished by Union Metal complete with ornamental globe bands and American Eagle. 18″ globe with 8″ fitter furnished extra.

Detailed dimension print with further specifications will be found on back of this page.

Design No. 1174 with Union Metal Capital. Ornamental globe bands and American Eagle, a highly ornamental design used for viaduct or bridge lighting or as a building entrance standard. This design can also be furnished with three or five lights.



Dimension print Design No. 1174. Approx. shipping weight Standard only, including ornamental globe bands and American eagle 470 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List prices on Design 1174 include Union Metal Capital, Ornamental Globe Bands and American Eagle.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

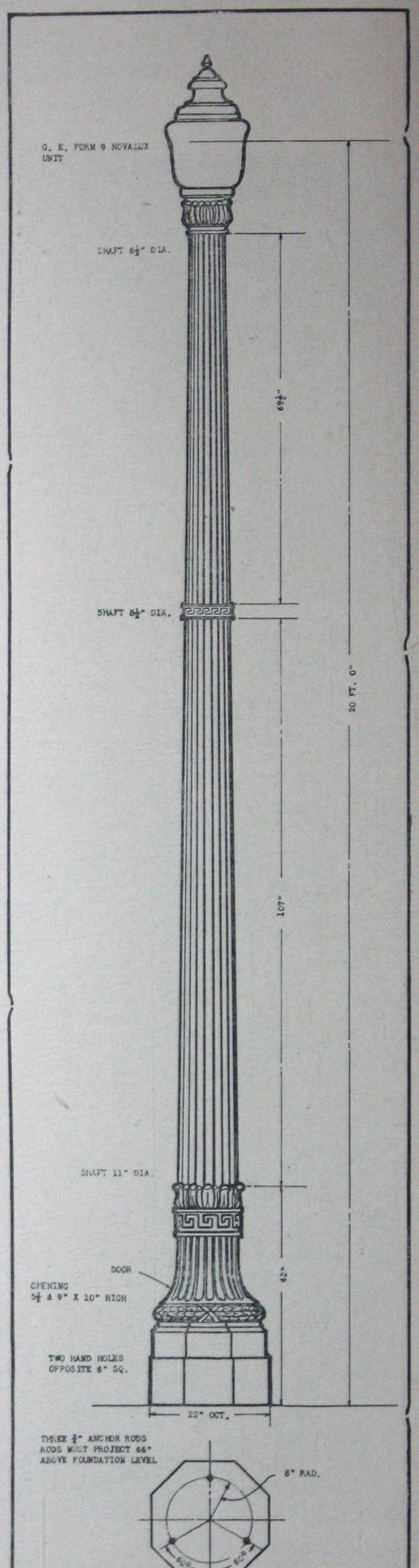
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

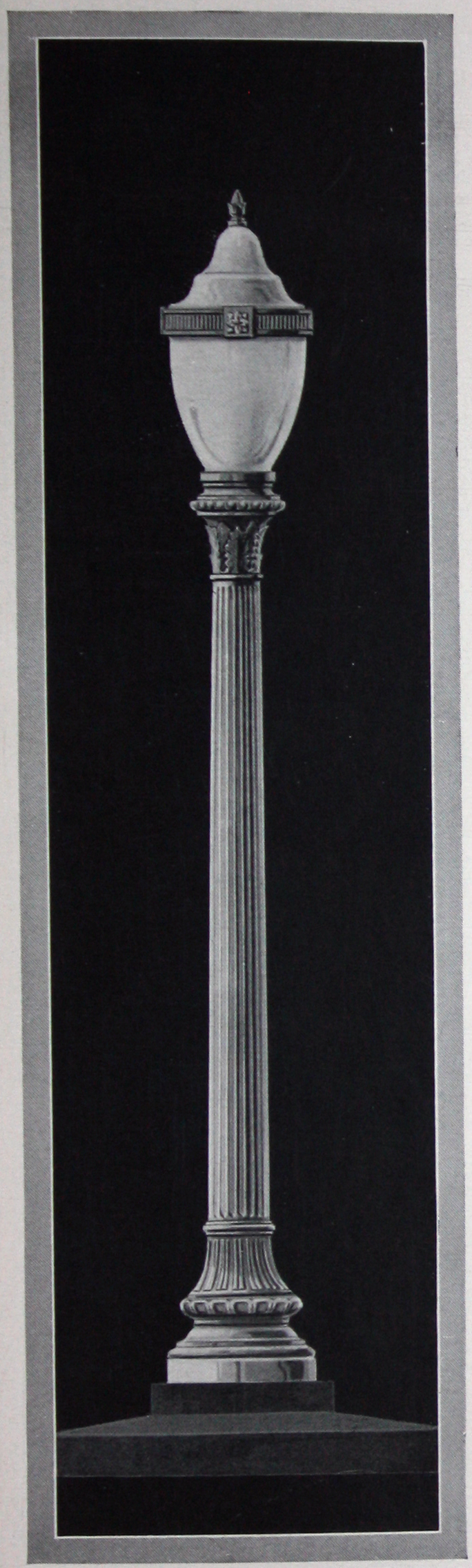
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.

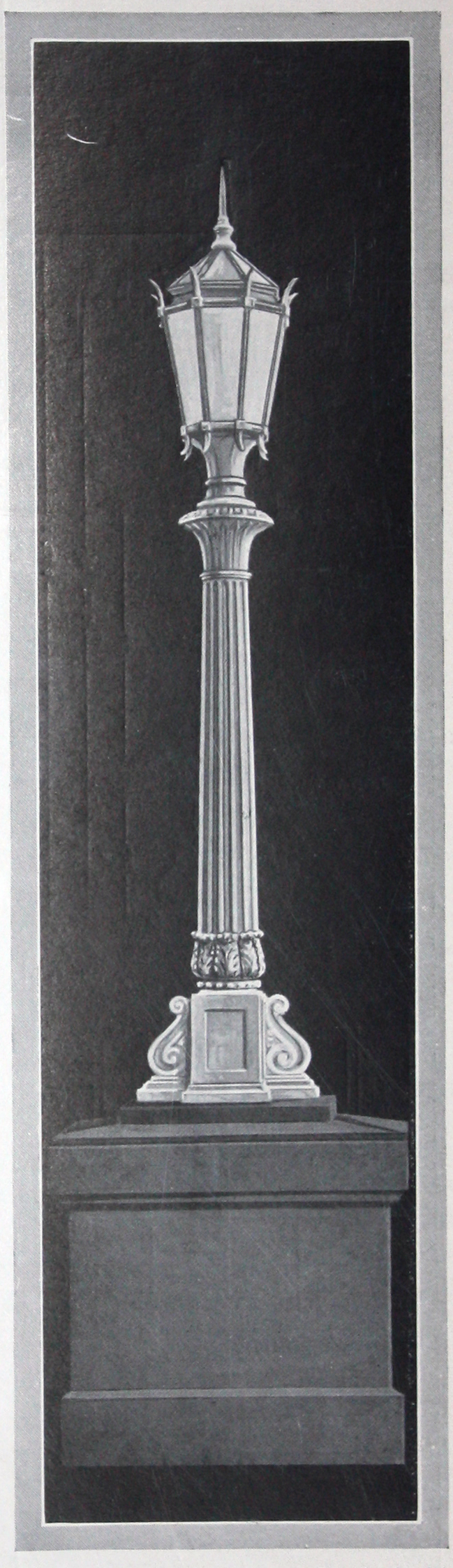


Dimension print Design No. 1627. Approx. shipping weight Standard only 565 lbs.

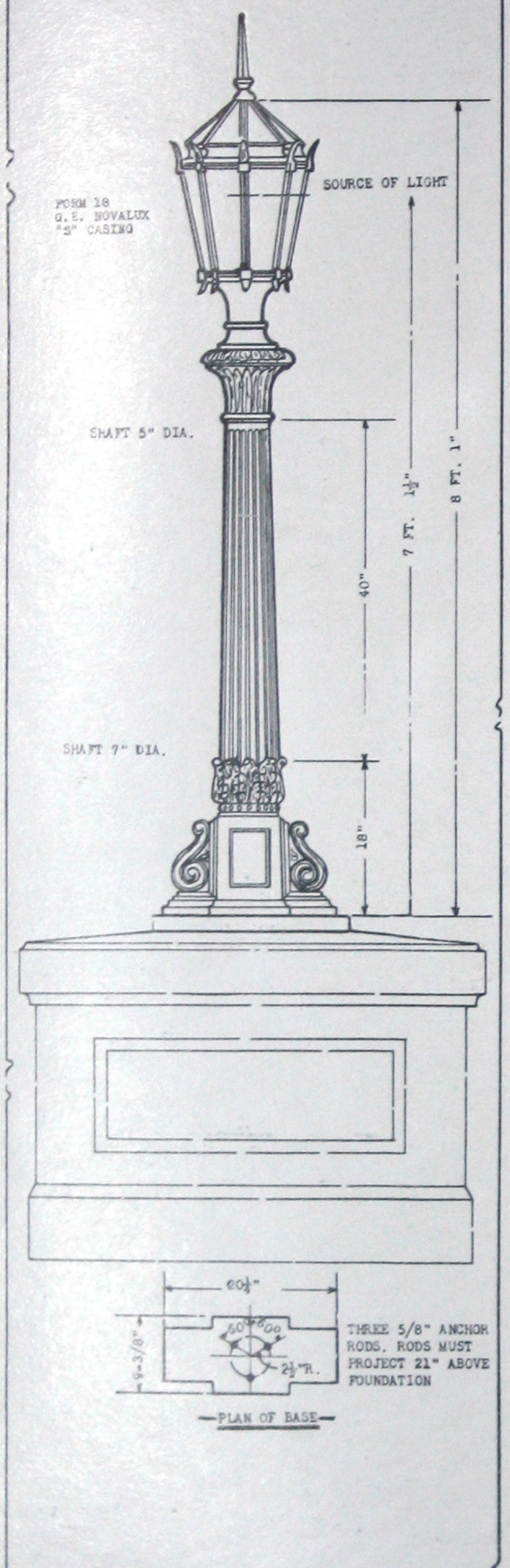


Design 1242 Bridge Lighting Standard with G. E. Form 12 Novalux Unit, M Casing and No. 104—16″ Globe. Shaft tapers from 6½″ to 5″.

Detailed dimension print with further specifications will be found on back of this page.



Design 1652 Bridge Lighting Standard with Union Metal Capital and G. E. Form 18 Novalux Lantern 18″ small size "S" Casing. Shaft tapers from 7″ to 5″.



Dimension print Design No. 1652. Approx. shipping weight Lighting Standard only 170 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

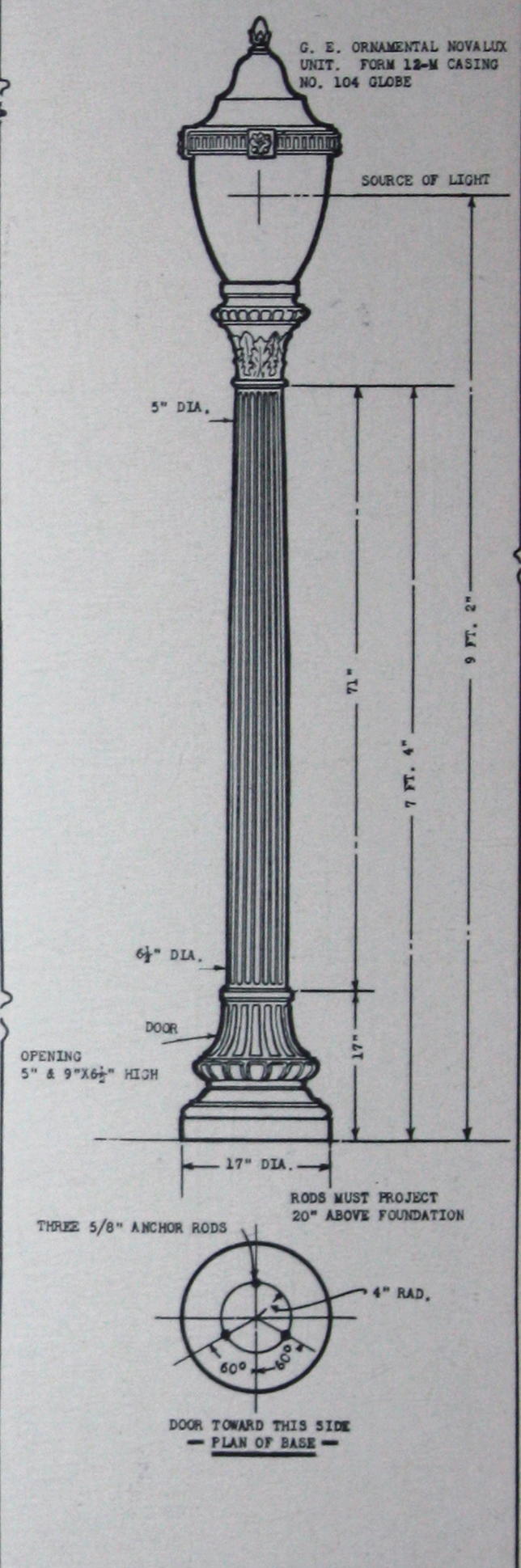
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

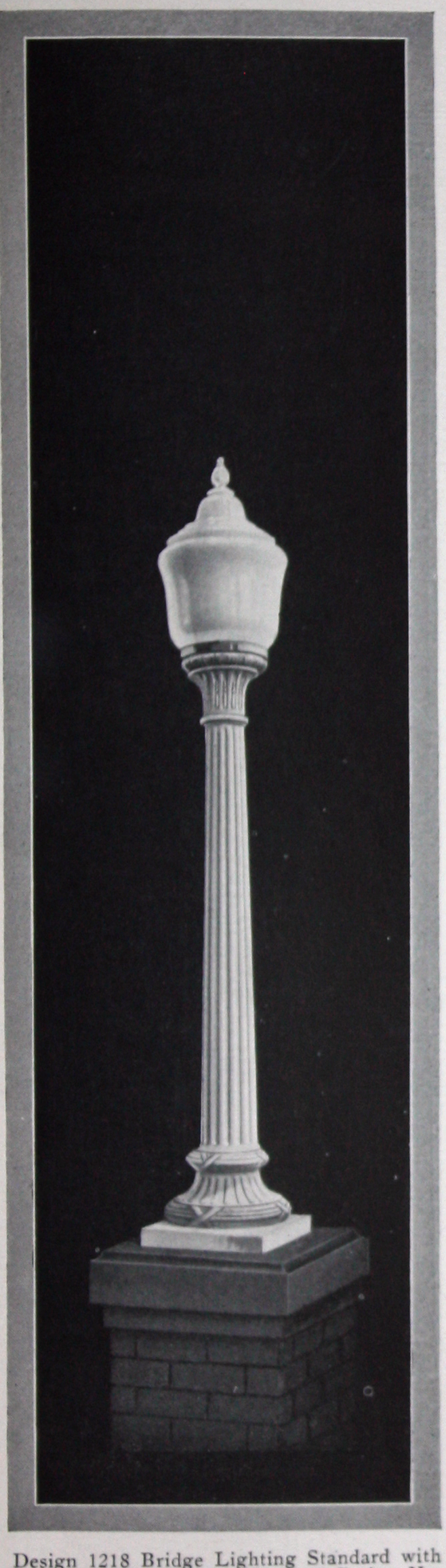
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1242. Approx. shipping weight Lighting Standard only 150 lbs.



Design 1218 Bridge Lighting Standard with G. E. Form 8 Novalux Unit. F Casing No. 39—13″ globe. Shaft tapers from 5½″ to 4″.

Description and Specifications

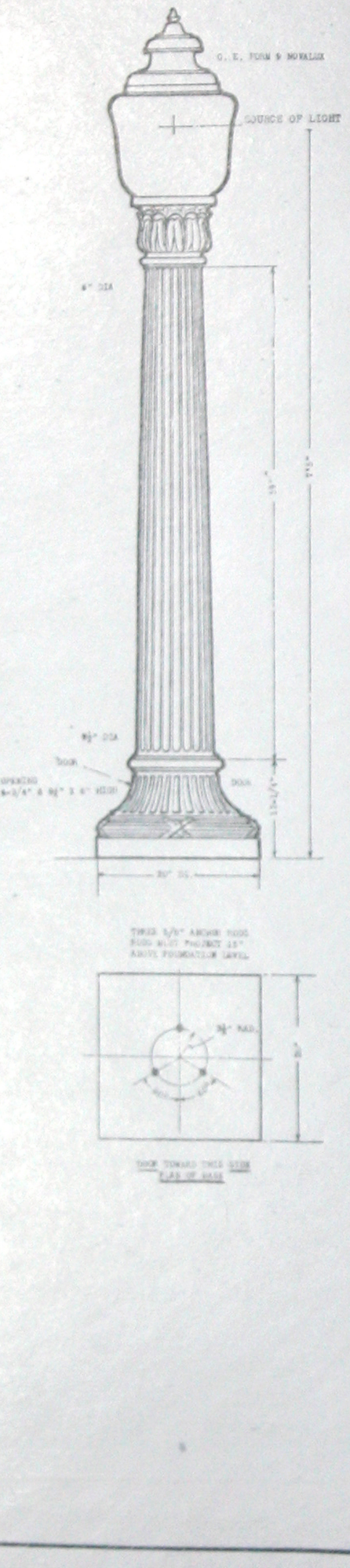
The flexibility of the Union Metal line makes them particularly popular for bridge and viaduct lighting.

They may be made in any height to meet different lighting conditions and a large variety of designs is available so that either large or small bases may be had.

For instance, Design 1218 with the 13″ square base could be fitted to a small pier, bridge railing, or support, whereas Design 1165 with a 20″ square base would be better adapted to a large pier or base support.

Detailed dimension print with further specifications will be found on back of this page.

Design No. 1165 Bridge Lighting Standard with G. E. Form 9 Novalux Unit. Shaft tapers from 9½″ to 6″.



Dimension print Design 1165. Approx. shipping weight Lighting Standard only 150 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

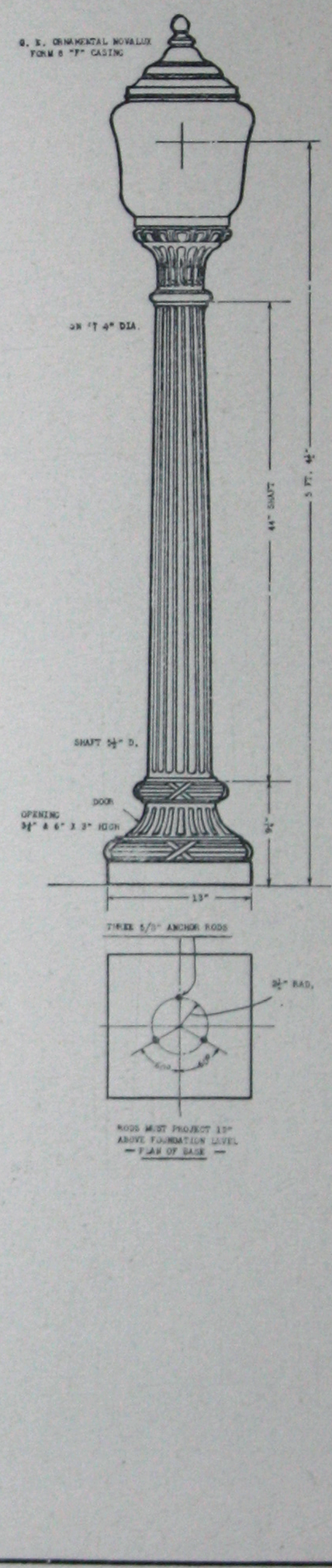
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

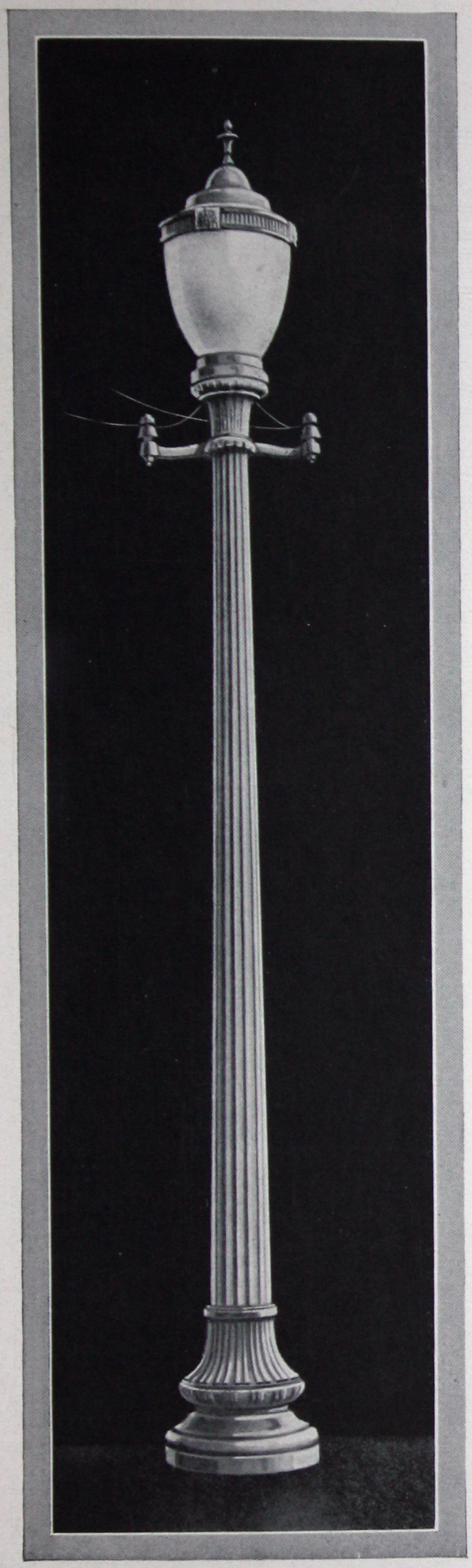
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design 1218. Approx. shipping weight Lighting Standard only 80 lbs.



Design 1184 with G. E. Form 8 Novalux Unit No. 3 casing and No. 103—14″ globe. Standard fitted with cross arm for overhead wiring.

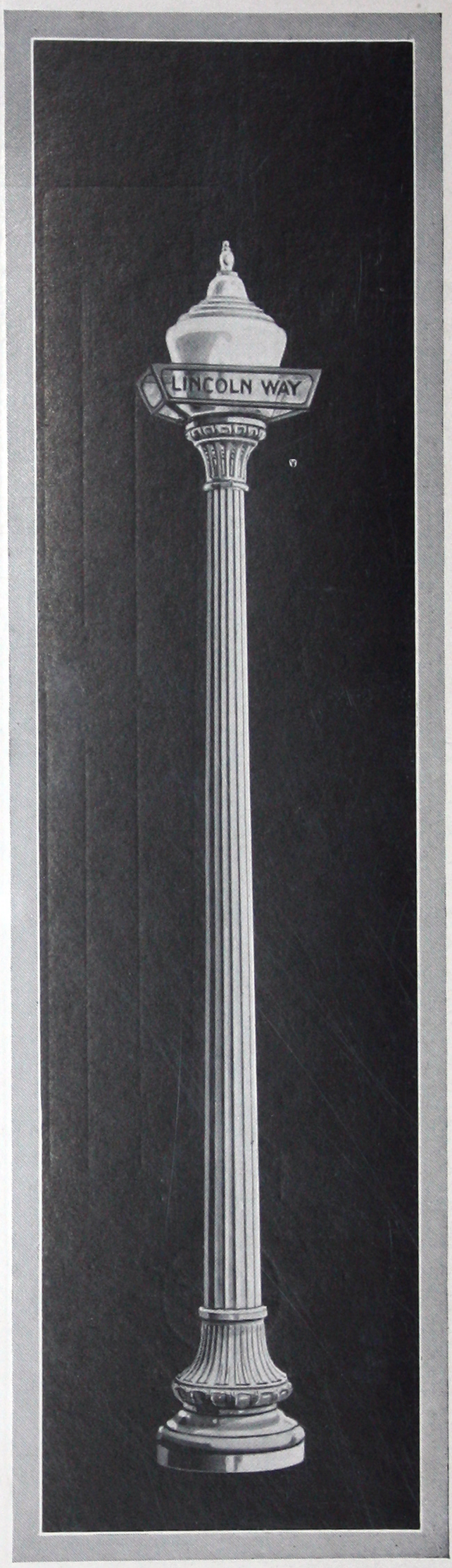
Description and Specifications

Design No. 1184 is typical of quite a number of Union Metal Standards that can be arranged with cross arm for overhead wiring. It so happens in some towns that feed wires are carried overhead on tall wooden poles, and that it is quite inexpensive to tap them and run the lamp cables to the cross arm and insulators as shown on this design.

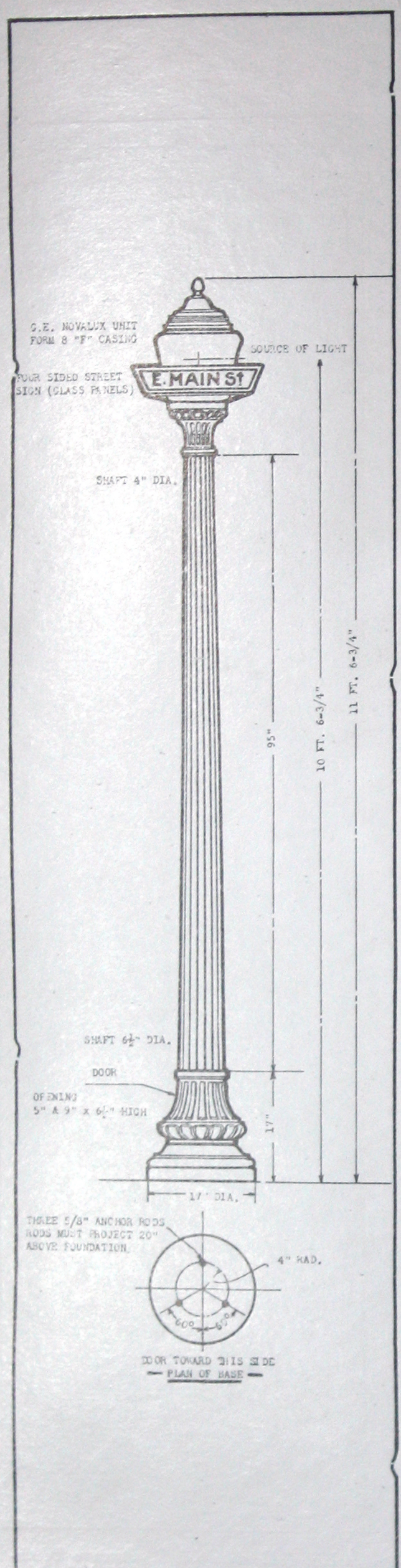
We will be pleased to submit special designs for this class of work.

Design No. 1331 with Union Metal four sided street sign is a popular unit for street intersections in residential districts. The street sign is a four sided metal frame with 4 glass panels with proper street markings.

Detailed dimension print with further specifications will be found on back of this page.



Design No. 1331 with G. E. Form 8 Novalux Unit F casing and No. 39—13″ globe. Standard fitted with Union Metal four sided street sign holder.



Dimension print Design No. 1331. Approx. shipping weight Standard only, but including four sided street sign 175 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods and top rings, adapted to receive General Electric Lighting Units. List prices do not include lighting units consisting of such items as casings, globes, ventilators, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. However, in Design 1184 list price does include the cross arm as indicated and in Design 1331 the four sided street sign with glass panels. Painting of panels quoted upon application.

3. Where desired we are pleased to quote on Union Metal Lamp Standards complete with G. E. Lighting Units or any other material referred to in Item 2.

4. Specified heights can be cha- to meet varying lighting conditions without materially affecting the cost.

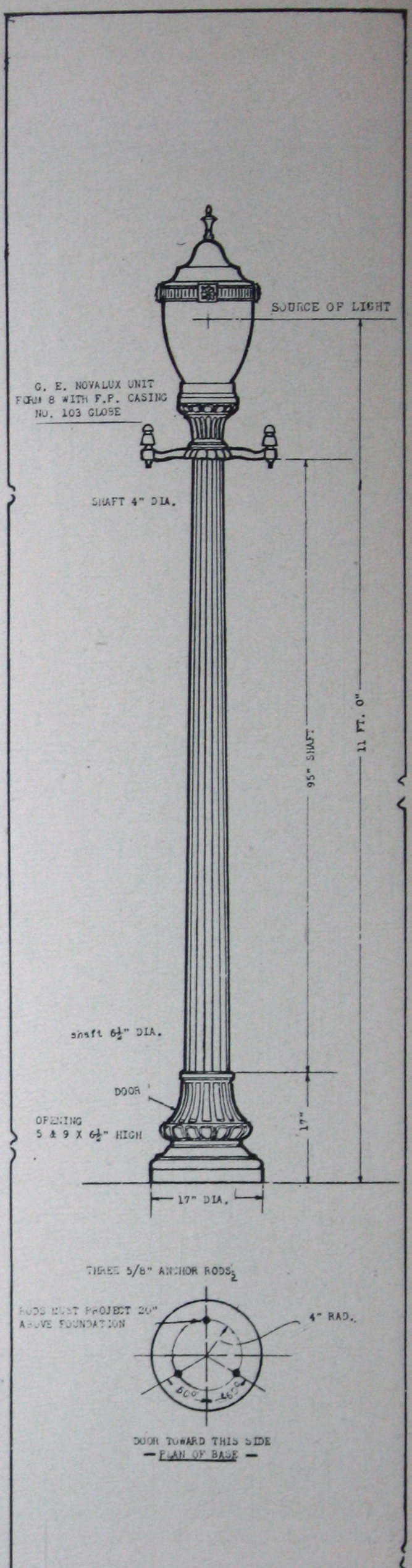
5. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

6. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

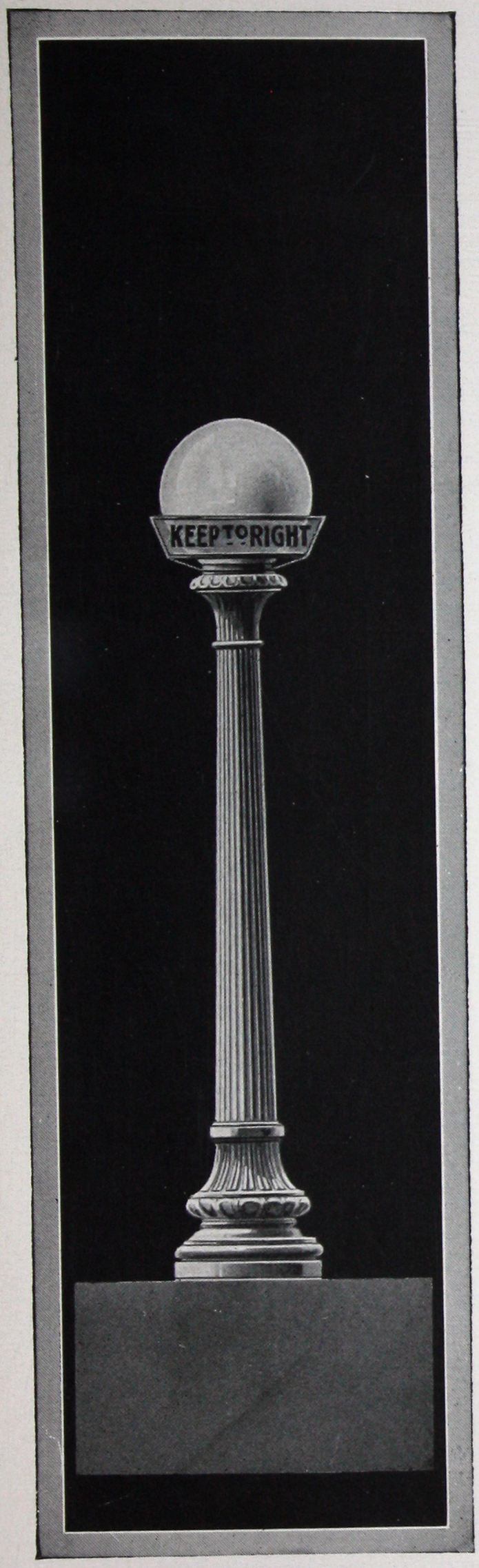
7. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

8. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

9. Always specify exact form of lighting unit that will be used on top of standard.



Dimension print Design No. 1184. Approx. shipping weight Lighting Standard only, but including cross arm 170 lbs.



Design 1330 Traffic Standard with Union Metal Capital arranged to receive 16" ball globe with 8" fitter.

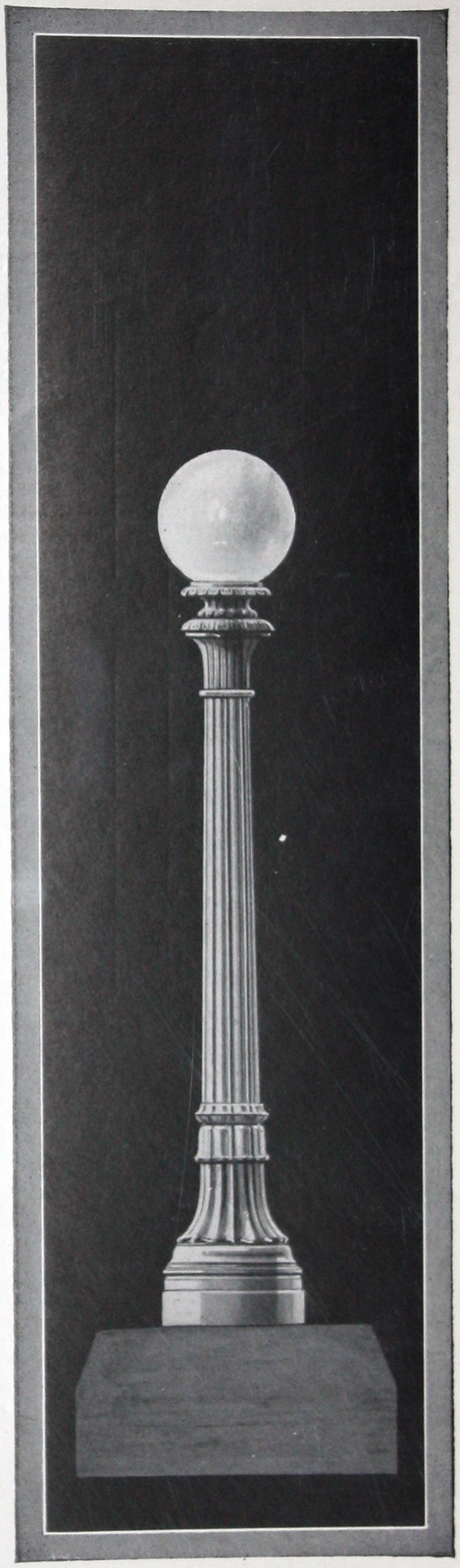
Description and Specifications

As Union Metal Lamp Standards are all made with pressed metal shafts practically any design in this loose leaf catalog may be made in proper height for traffic and safety island purposes.

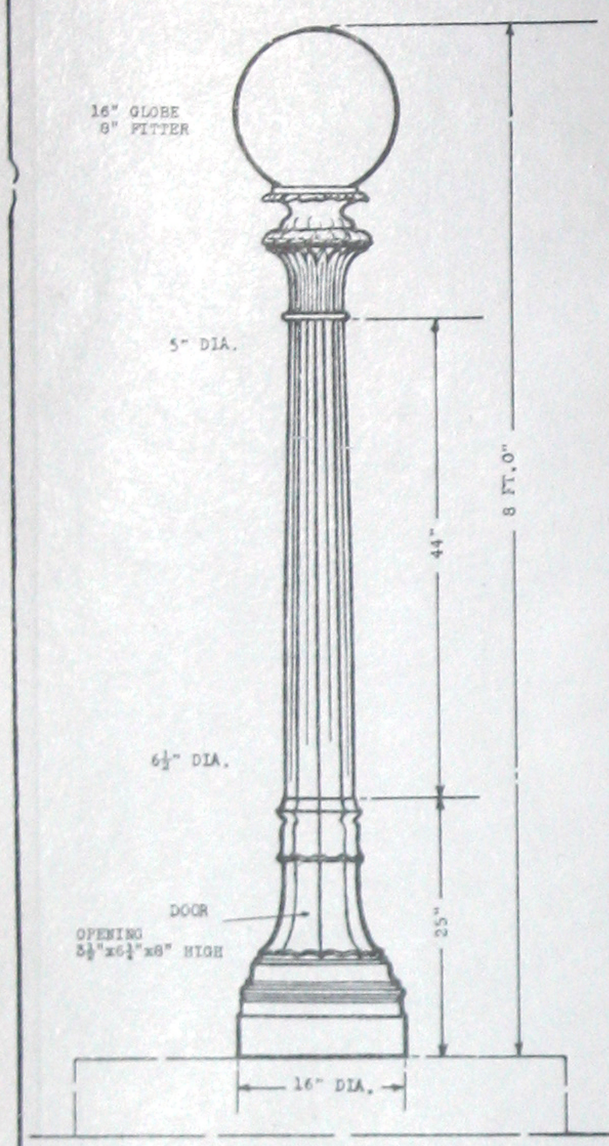
Cities throughout the country realize that with the rapidly increasing traffic they must take every precaution to reduce accidents to a minimum, and Union Metal Traffic Standards afford a ready and inexpensive means of properly regulating traffic and on account of their sectional construction they are quite economical to maintain.

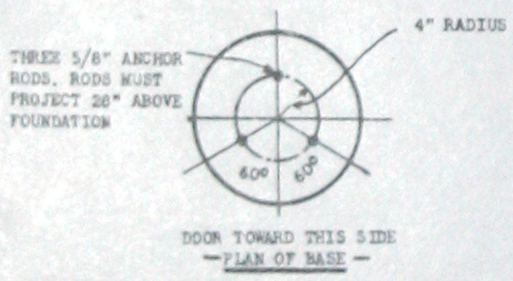
Traffic Standards are subjected to many blows and much breakage. In other types of standards, accidents mean the expense of replacing the entire unit, whereas in Union Metal designs possibly only a shaft or a base section may be damaged sufficiently to require replacement.

Detailed dimension print with further specifications will be found on back of this page.



Design 1319 Traffic Standard with Union Metal Capital arranged to receive 16" ball globe with 8" fitter.





1319

Dimension print Design No. 1319. Approx. shipping weight Lighting Standard only 190 lbs.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rod, capital drilled and tapped to receive globes. List prices do not include glassware, sockets, lamps, etc., nor do they include wiring or any other electrical equipment.

3. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

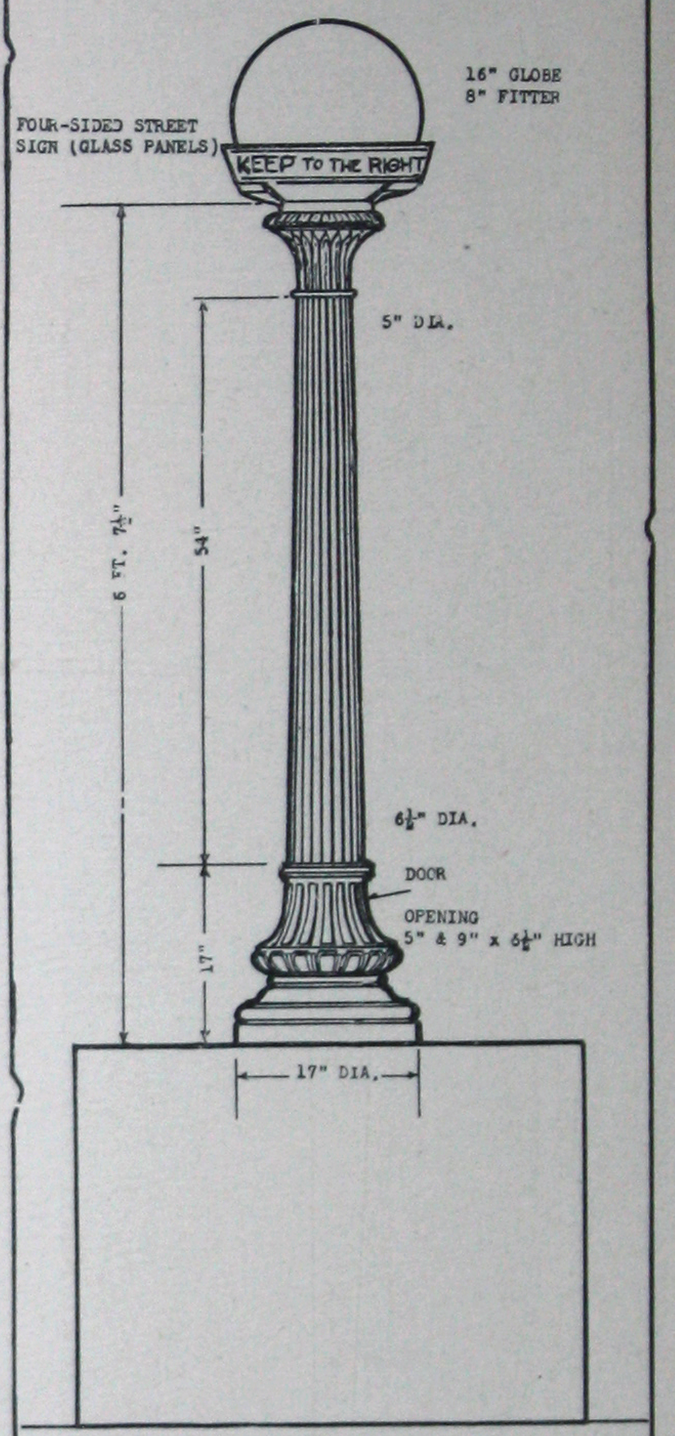
4. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

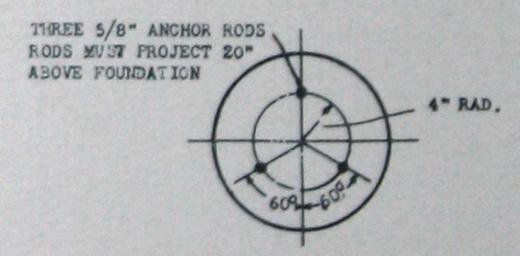
5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specifiied: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

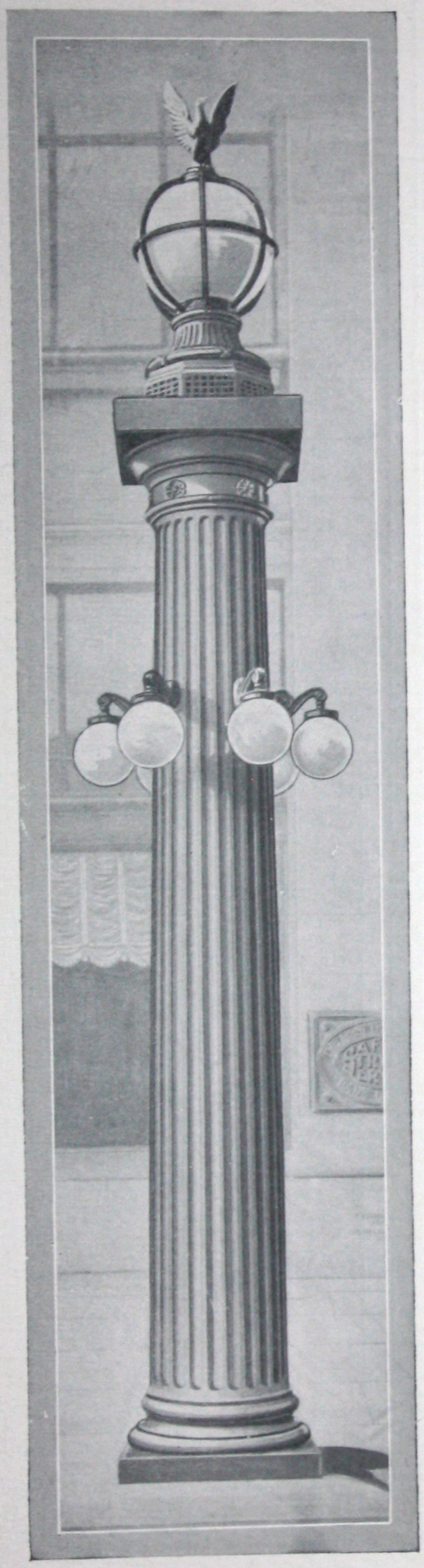
8. Always specify the exact size of globe and bottom opening so that globe holder on the capital of standard may be furnished proper size.





1330

Dimension print Design No. 1330. Approx. shipping weight Lighting Standard only, including four sided sign holder, 170 lbs.



Design No. 1563 Union Metal Ventilating Standard with 20″ ball globe, ornamental globe bands and American Eagle.

Description and Specifications

This special Ventilating Standard is listed to show unusual designs that our Engineering Department is called upon to submit and the unusual types of construction to which our product lends itself.

Several of these standards were furnished to the First Trust & Savings Bank of Canton, Ohio, to serve as a combination lighting unit and ventilator for the bank's safety deposit vaults which extend underneath and to the outer edge of the sidewalk. A very similar design was furnished for ventilating the new public comfort stations at Reading, Penna.

The shaft construction is that employed in our large porch and building columns and has a 22″ base diameter tapering to 18″ top diameter. Each shaft is provided with six Union Metal Brackets, supporting 10″ globes with 5″ fitters.

Distance to center of ornamental globe and globe bands is 15′ 9″ above the ground.

Ingress of air from the safety deposit vaults to the standard is made through the base, and egress of air through openings in the capital.

Detailed dimension print with further specifications will be found on back of this page.

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices cover Union Metal Lamp Standards complete with anchor rods, capital drilled and tapped to receive globes. List prices do not include glassware, sockets, lamps, etc., nor do they include wiring or any other electrical equipment. List price includes six brackets, Union Metal ventilated capital, ornamental globe bands, and American Eagle.

3. Specified heights can be changed to meet varying lighting conditions without materially affecting the cost.

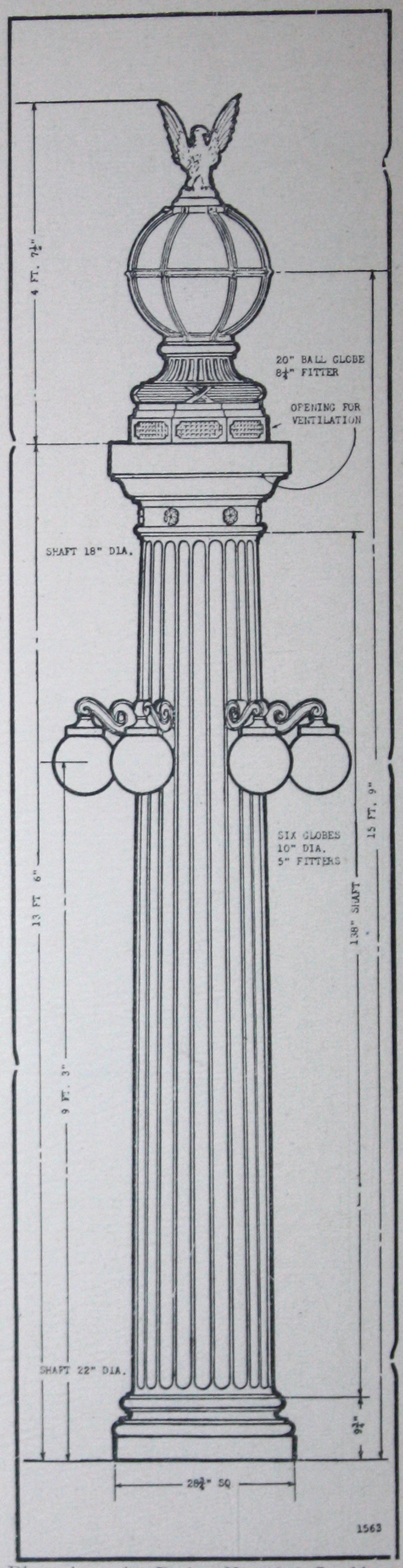
4. When desired, bases are arranged for pot heads, cut-outs, transformers, etc.

5. Many different designs or combinations may be created by interchanging bases, shafts, and heads of Union Metal Lamp Standards.

6. All Standards are given shop priming coat of high grade metallastic paint, both inside and outside before leaving the factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper or Statuary Bronze.

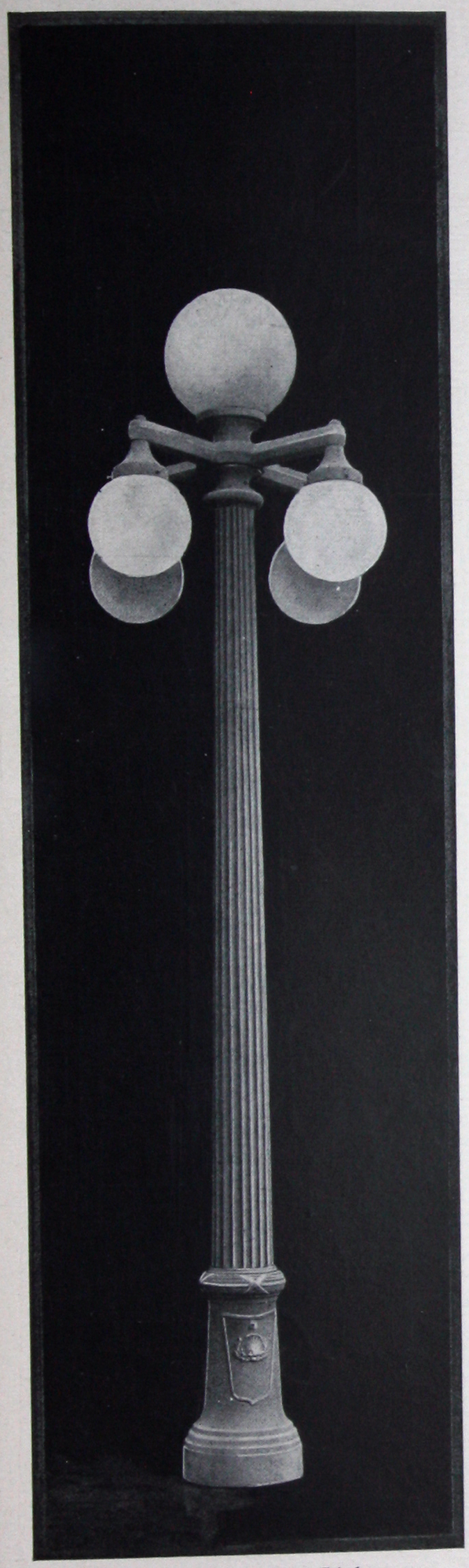
7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted on application.

8. Always specify the exact size of globe and bottom opening so that globe holder on the capital of standard may be furnished proper size.



Dimension print Design No. 1503 Combination Lighting and Ventilating Standard. Approx. shipping weight Standard only, but including brackets, ornamental globe bands and American Eagle, 1110 lbs.

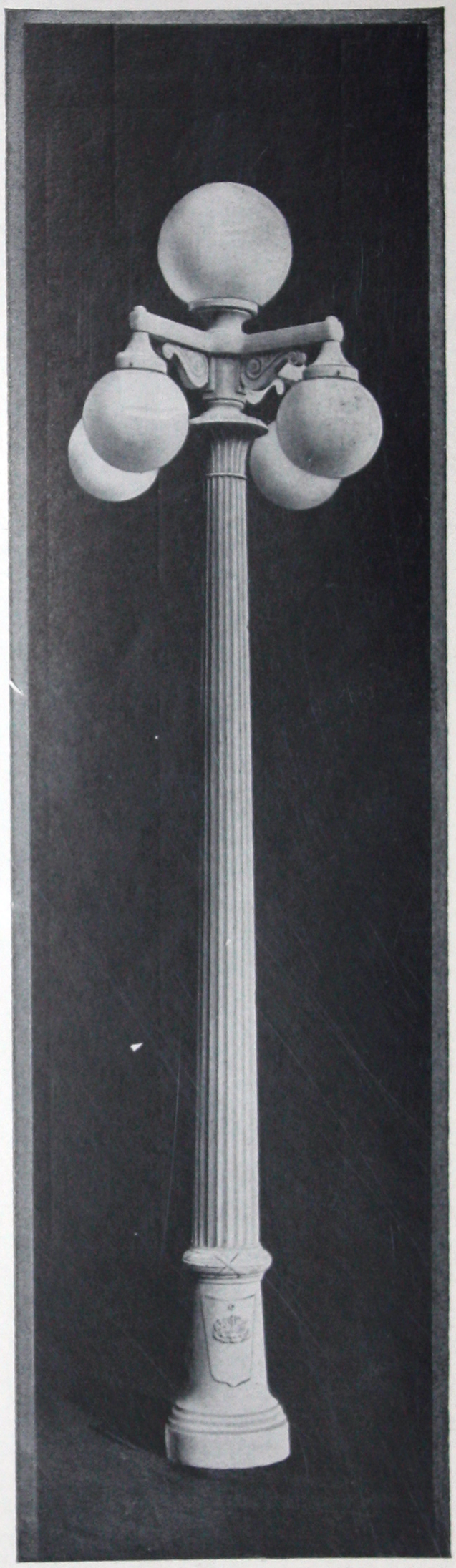
SECTION 6—CLUSTER DESIGNS



Design No. 503—3 Lights
Design No. 505—5 Lights

Design No.	Approx. Ship. Weight
503	240 lbs.
505	265 lbs.

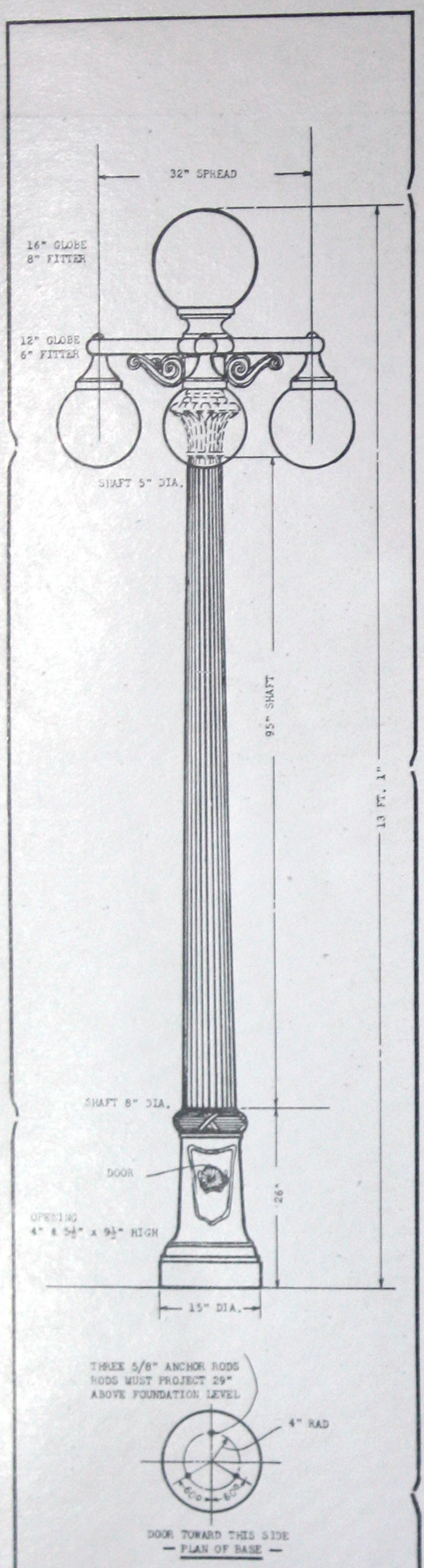
Design No.	Approx. Ship. Weight
523	285 lbs.
525	330 lbs.



Design No. 523—3 Lights
Design No. 525—5 Lights

Detailed dimension print with further specifications will be found on back of this page.

SECTION 6—CLUSTER DESIGNS



Dimension Drawing
Design No. 525

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

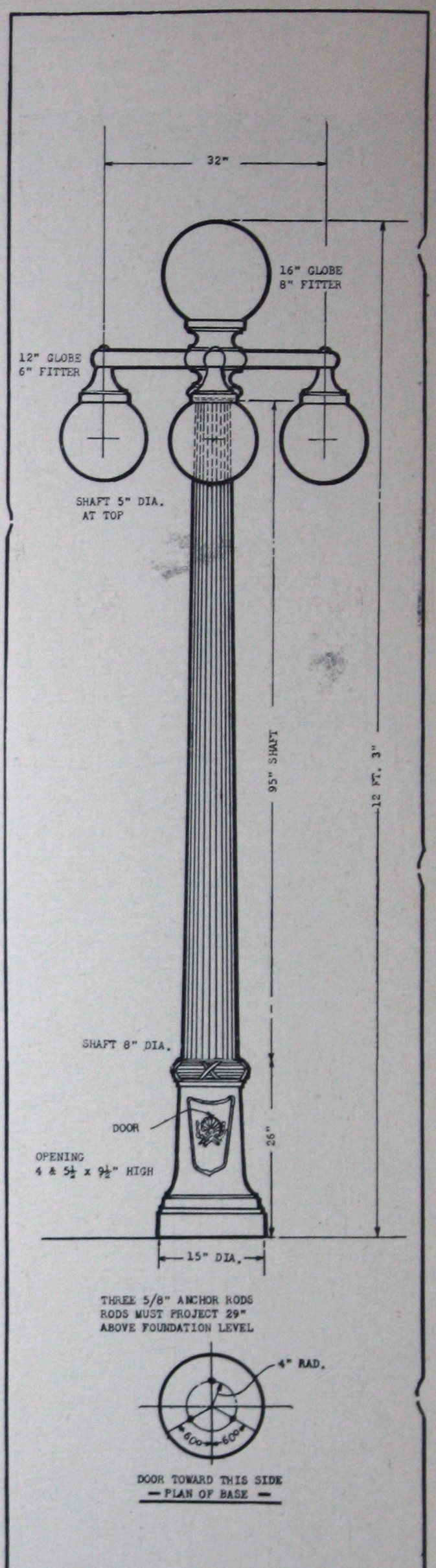
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

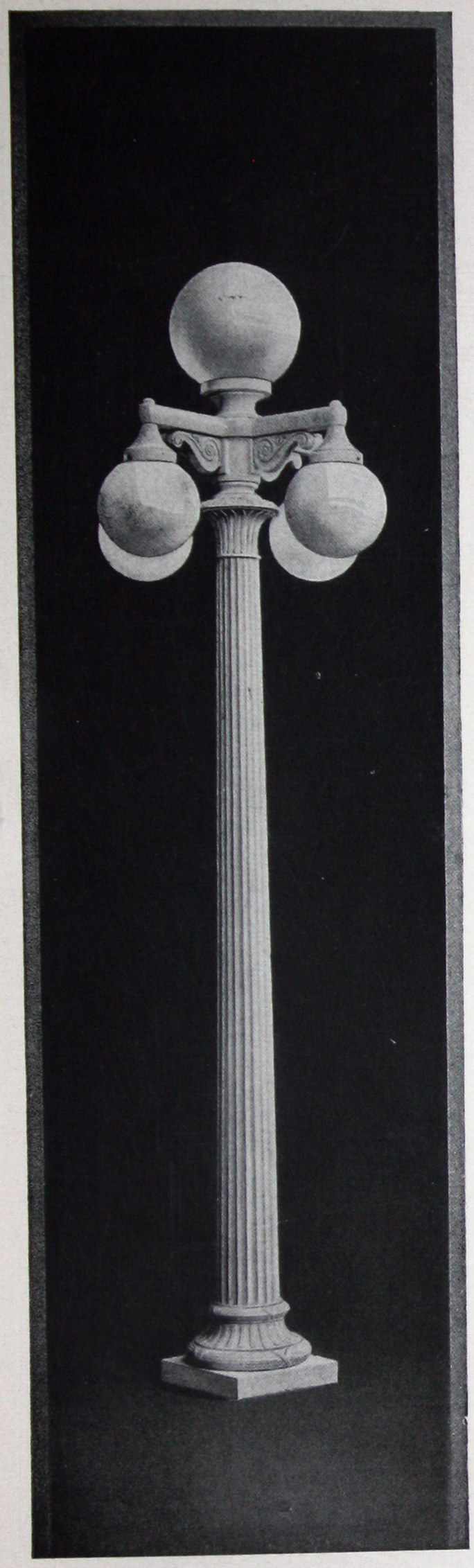
7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify type of socket and style of lamps that will be used.



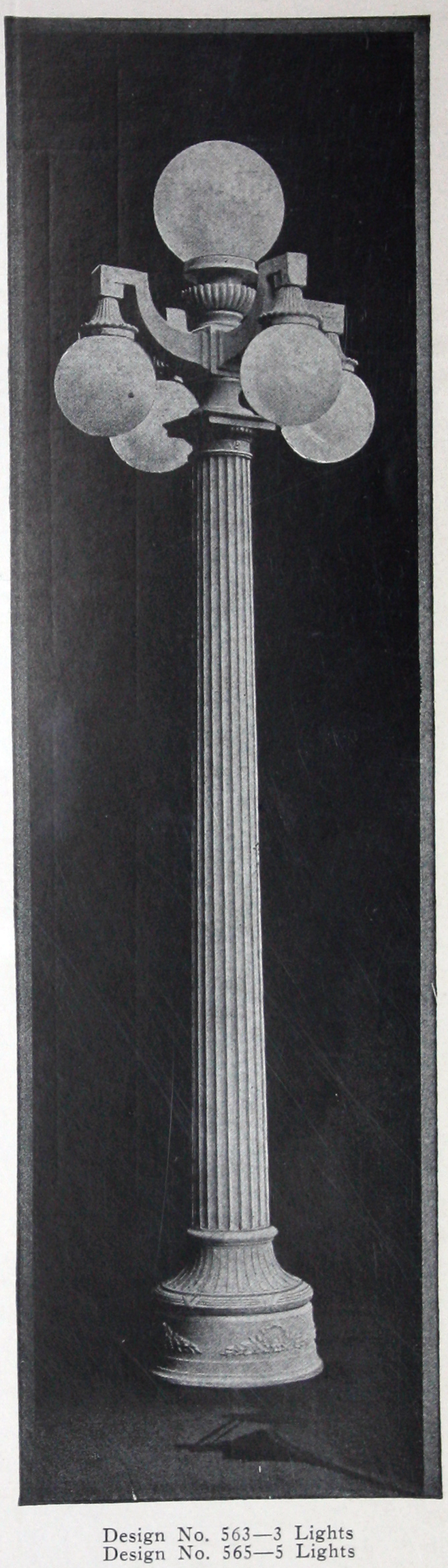
Dimension Drawing
Design No. 505

SECTION 6—CLUSTER DESIGNS



Design No. 806—3 Lights
Design No. 793—5 Lights

Design No.	Approx. Ship. Weight
806	245 lbs.
793	290 lbs.

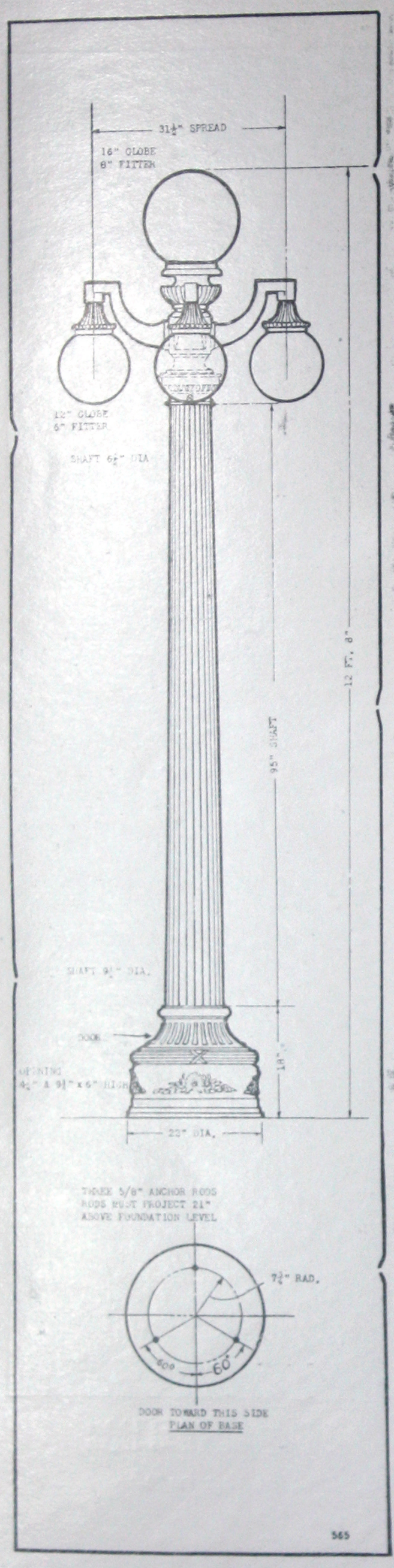


Design No. 563—3 Lights
Design No. 565—5 Lights

Design No.	Approx. Ship. Weight
563	335 lbs.
565	390 lbs.

Detailed dimension print with further specifications will be found on back of this page.

SECTION 6—CLUSTER DESIGNS



Dimension Drawing
Design No. 565

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

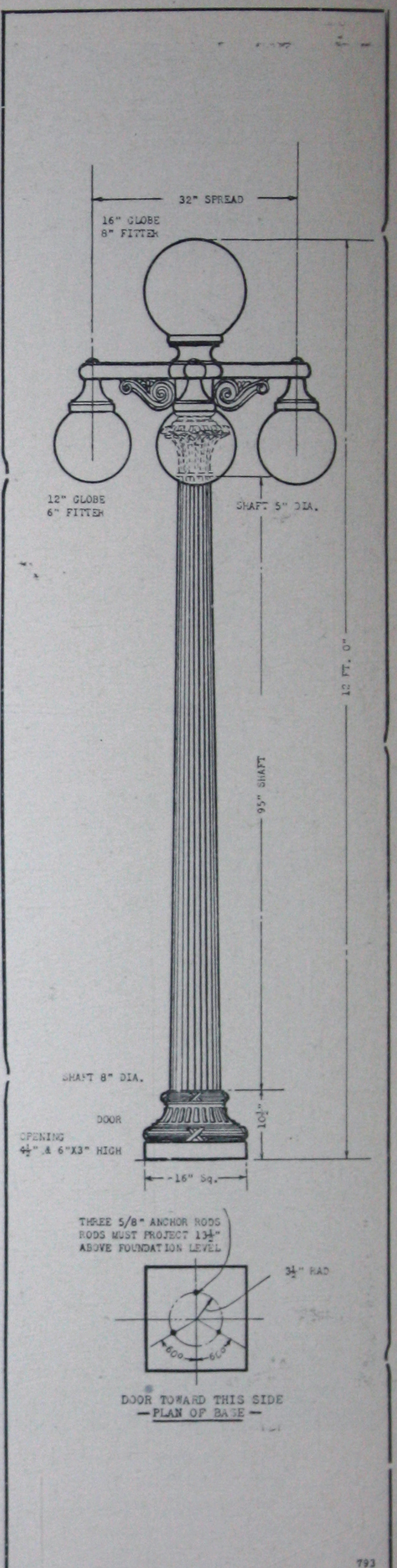
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

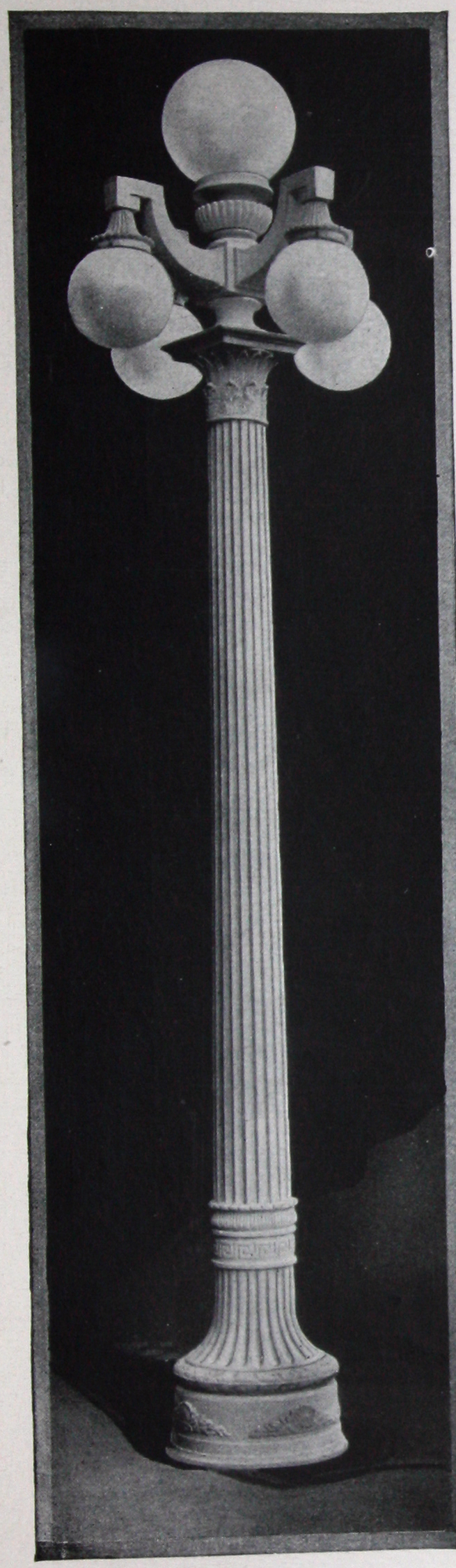
7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify type of socket and style of lamps that will be used.



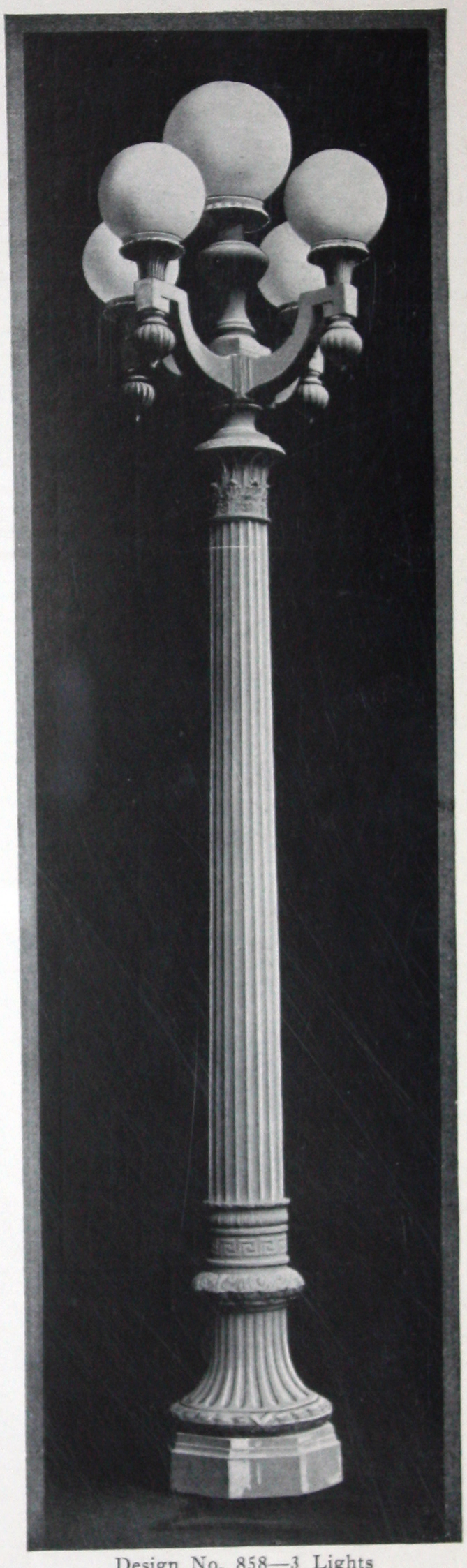
Dimension Drawing
Design No. 793

SECTION 6—CLUSTER DESIGNS



Design No.	Approx. Ship Weight
483	415 lbs.
485	470 lbs.

Design No. 483—3 Lights
Design No. 485—5 Lights

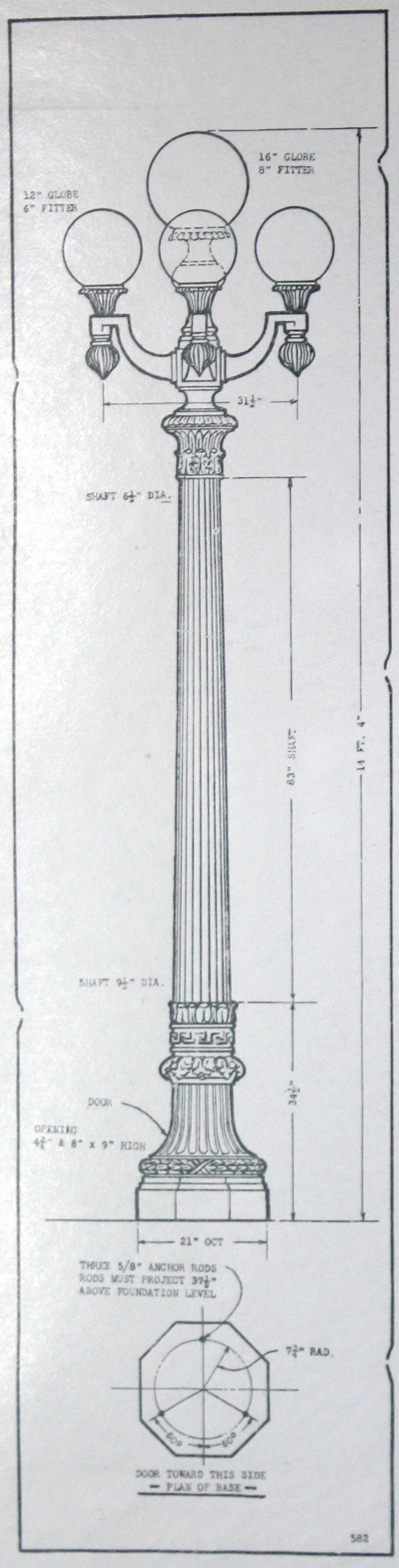


Design No.	Approx. Ship Weight
858	465 lbs.
582	530 lbs.

Design No. 858—3 Lights
Design No. 582—5 Lights

Detailed dimension print with further specifications will be found on back of this page.

SECTION 6—CLUSTER DESIGNS



Dimension Drawing
Design No. 582

Additional Specifications

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

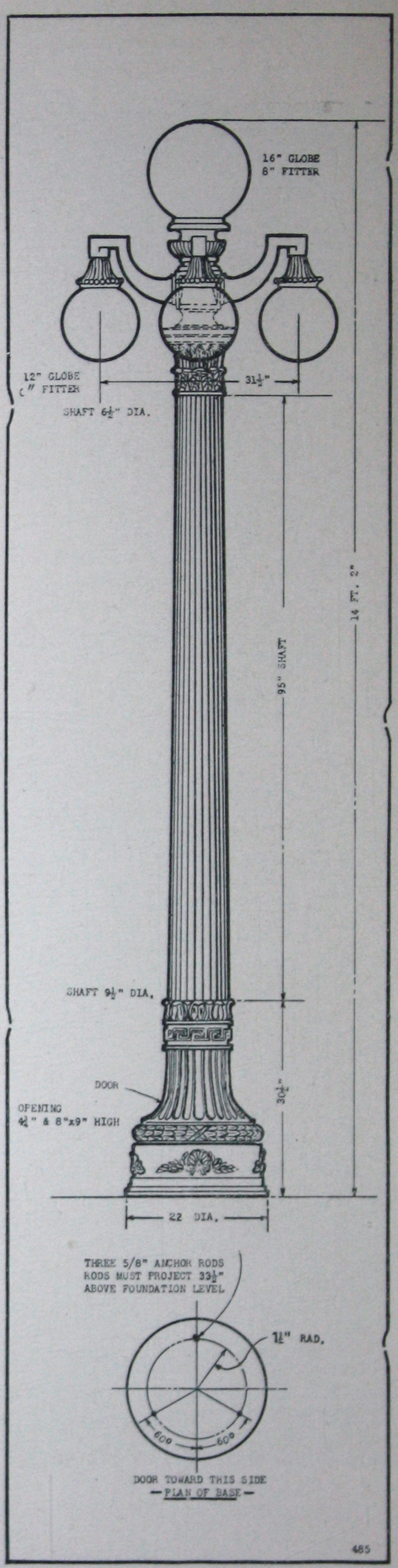
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

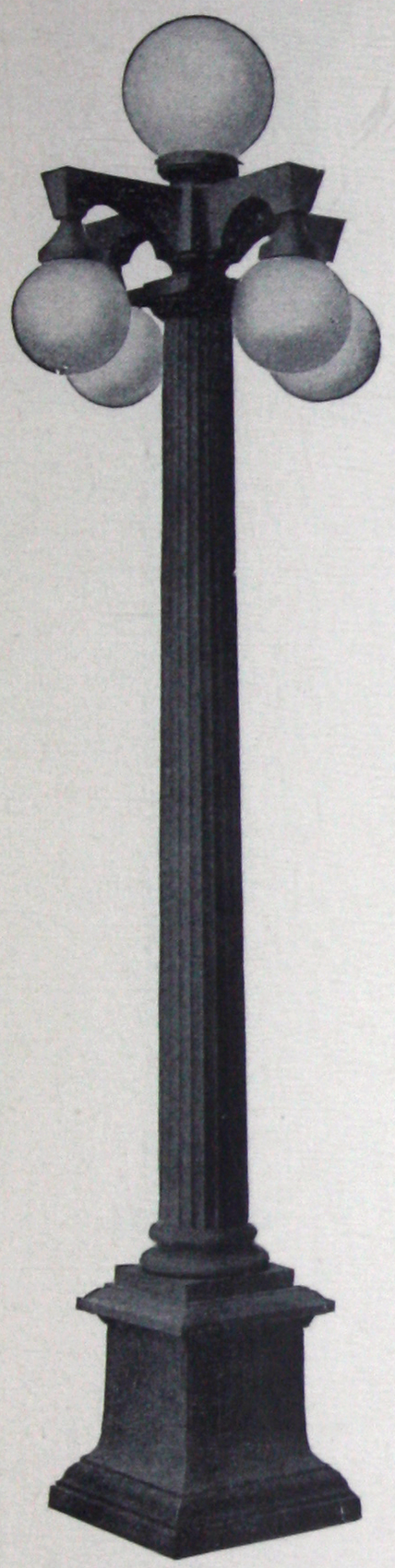
7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify type of socket and style of lamps that will be used.



Dimension Drawing
Design No. 485

SECTION 6—CLUSTER DESIGNS



No. 3—3 Lights
No. 5—5 Lights

Specifications

Design No.	Number of Lights	Approximate Shipping Weight in Pounds
3	3	435
5	5	470
133	3	575
135	5	700

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

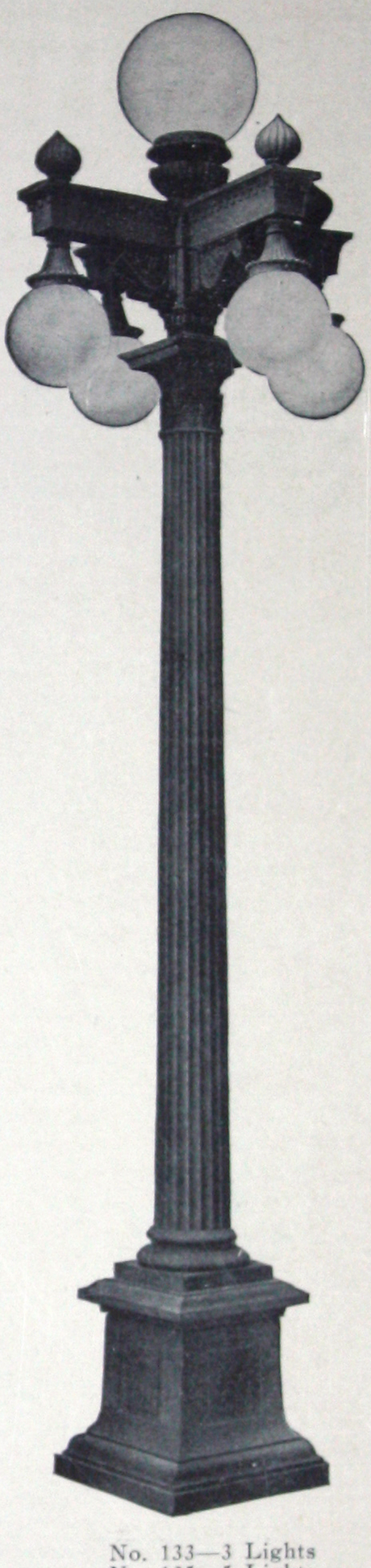
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallistic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

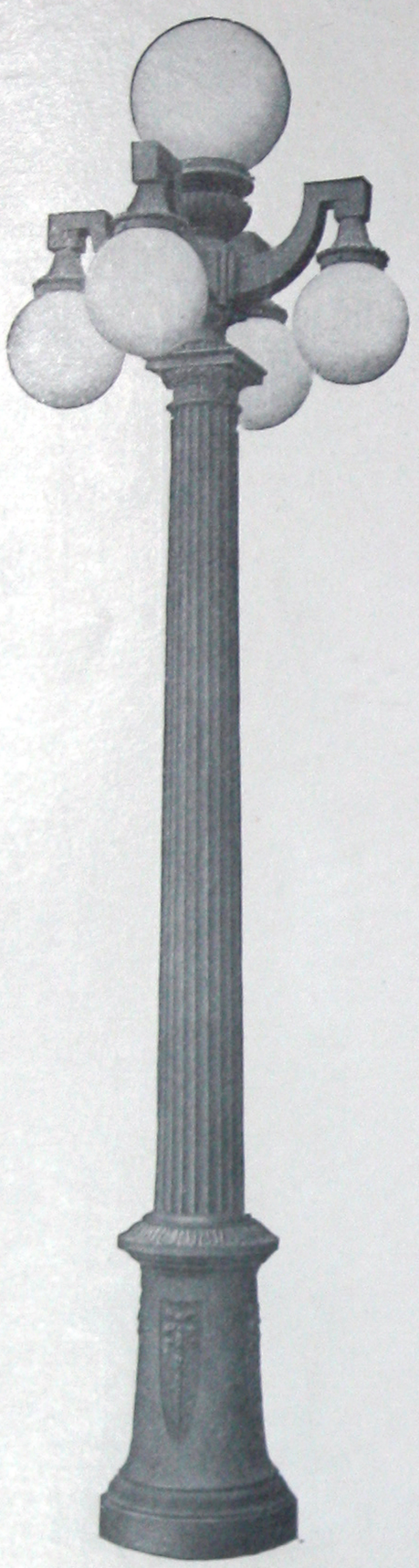
8. Always specify type of sockets and style of lamps that will be used.



No. 133—3 Lights
No. 135—5 Lights

Design No.	No. of Lights	Size of Base at Ground Line	Bottom of Fluted Shaft Diameter	Top of Fluted Shaft Diameter	Spread of Arms Extreme Points	Size of Globes and Fitters		Size of Door Opening Extreme Measurements	Standard Height to Top of Central Globe
						Side Globes	Central Globe		
3	3	23½" sq.	9½"	6½"	36"	12"x6"	16"x8"	8"x8¾"	13' 2"
5	5	23½" sq.	9½"	6½"	36"	12"x6"	16"x8"	8"x8¾"	13' 2"
133	3	23½" sq.	9½"	6½"	43½"	12"x6"	16"x8"	8"x8¾"	14' 7"
135	5	23½" sq.	9½"	6½"	43½"	12"x6"	16"x8"	8"x8¾"	14' 7"

SECTION 6—CLUSTER DESIGNS



No. 73—3 Lights
No. 75—5 Lights

Specifications

Design No.	Number of Lights	Approximate Shipping Weight in Pounds
73	3	430
75	5	485
93	3	490
95	5	560

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

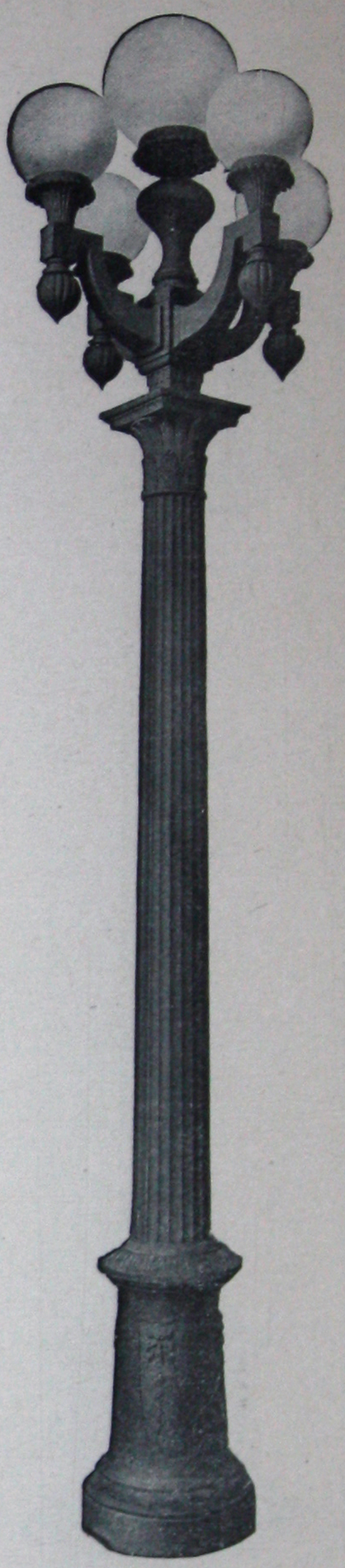
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

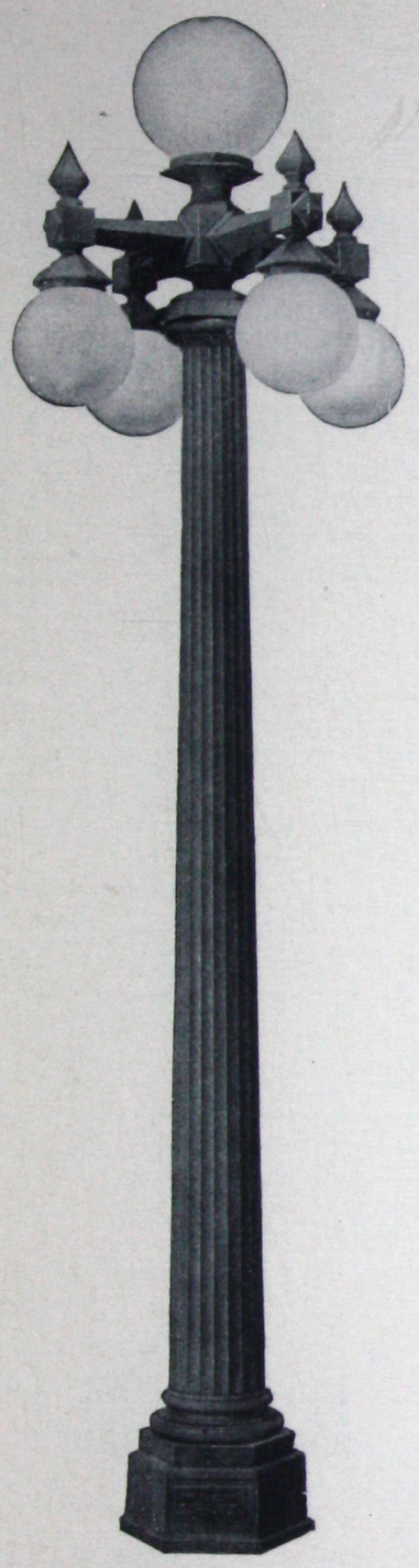
7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify type of sockets and style of lamps that will be used.



No. 93—3 Lights
No. 95—5 Lights

Design No.	No. of Lights	Size of Base at Ground Line	Bottom of Fluted Shaft Diameter	Top of Fluted Shaft Diameter	Spread of Arms Extreme Points	Size of Globes and Fitters		Size of Door Opening Extreme Measurements	Standard Height to Top of Central Globe
						Side Globes	Central Globe		
73	3	20″ dia.	9½″	6½″	34½″	12″x6″	16″x8″	4″x12½″	12′ 10″
75	5	20″ dia.	9½″	6½″	34½″	12″x6″	16″x8″	4″x12½″	12′ 10″
93	3	20″ dia.	9½″	6½″	34½″	12″x6″	16″x8″	4″x12½″	14′ 2″
95	5	20″ dia.	9½″	6½″	34½″	12″x6″	16″x8″	4″x12½″	14′ 2″



No. 163—3 Lights
No. 165—5 Lights

Specifications

Design No.	Number of Lights	Approximate Shipping Weight in Pounds
163	3	285
165	5	335
1003	3	405
1005	5	460

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

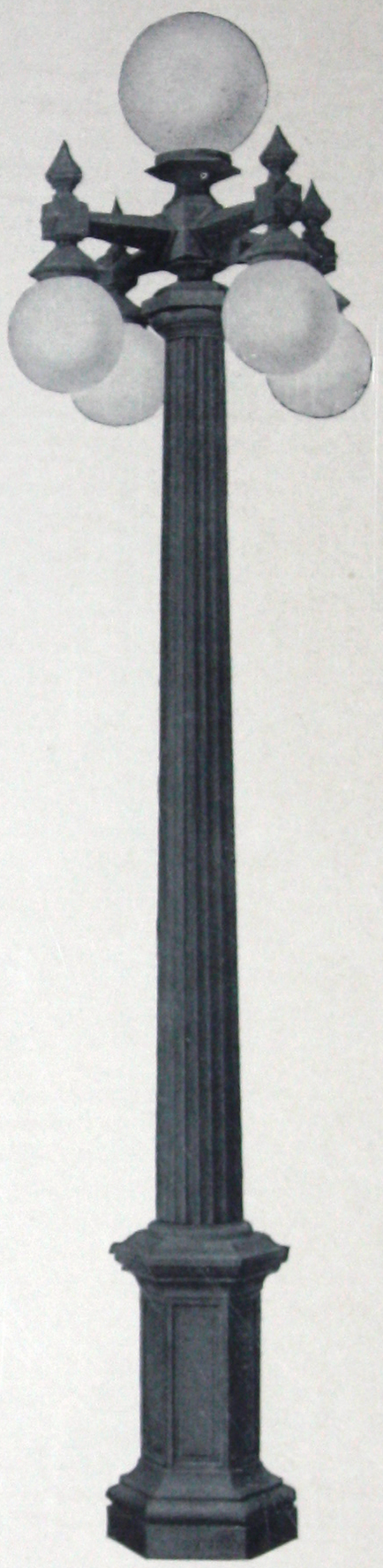
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

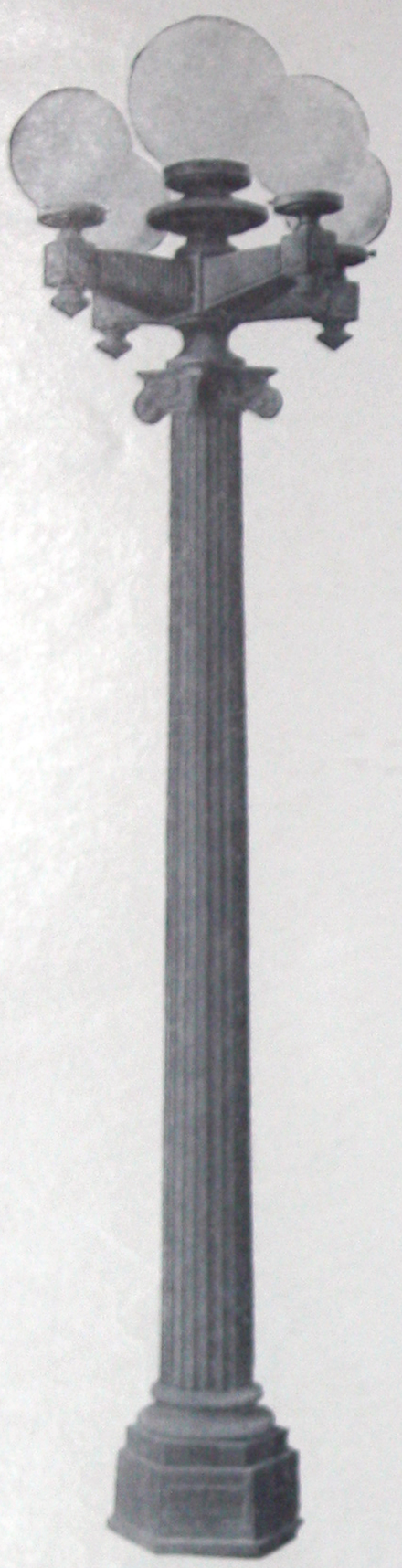
8. Always specify type of sockets and style of lamps that will be used.



No. 1003—3 Lights
No. 1005—5 Lights

Design No.	No. of Lights	Size of Base at Ground Line	Bottom of Fluted Shaft Diameter	Top of Fluted Shaft Diameter	Spread of Arms Extreme Points	Size of Globes and Fitters		Size of Door Opening Extreme Measurements	Standard Height to Top of Central Globe
						Side Globes	Central Globe		
163	3	17¼"x19¾"	9½"	6"	36½"	12"x6"	16"x8"	4"x 8"	13' 2"
165	5	17¼"x19¾"	9½"	6"	36½"	12"x6"	16"x8"	4"x 8"	13' 2"
1003	3	18"x20¾"	9½"	6"	36½"	12"x6"	16"x8"	4"x16"	13' 9"
1005	5	18"x20¾"	9½"	6"	36½"	12"x6"	16"x8"	4"x16"	13' 9"

SECTION 6—CLUSTER DESIGNS



No. 413—3 Lights
No. 415—5 Lights

Specifications

Design No.	Number of Lights	Approximate Shipping Weight in Pounds
413	3	320
415	5	375
33	3	290
35	5	315

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

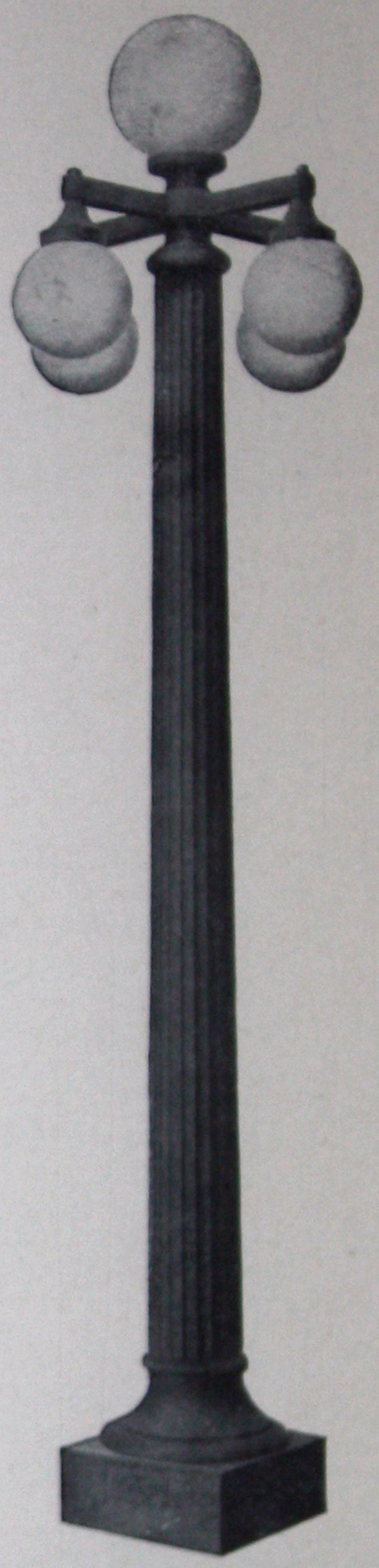
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

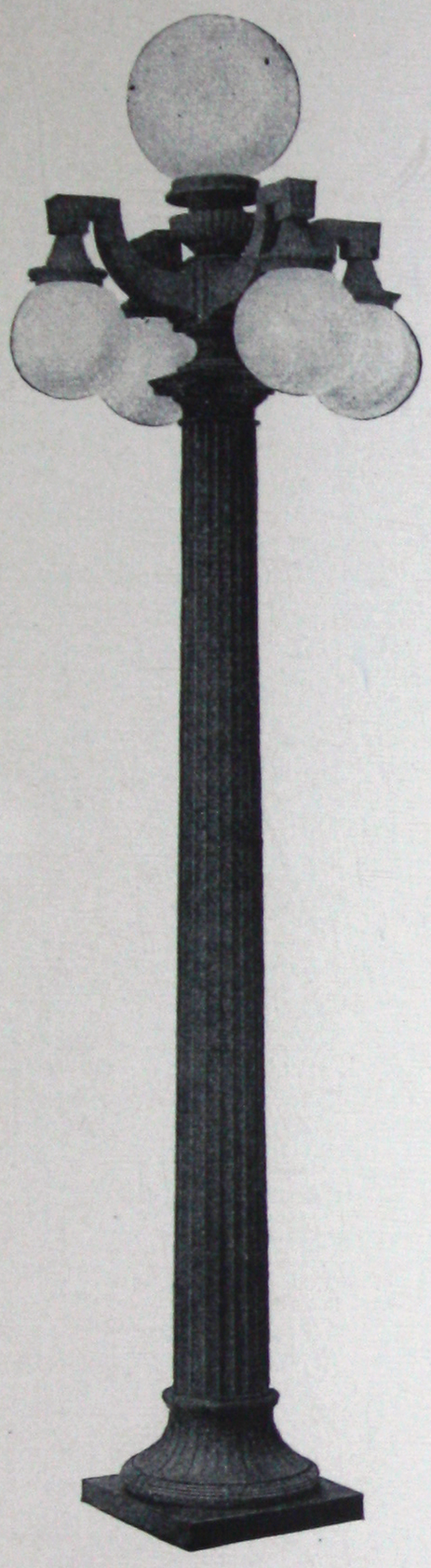
8. Always specify type of sockets and style of lamps that will be used.



No. 33—3 Lights
No. 35—5 Lights

Design No.	No. of Lights	Size of Base at Ground Line	Bottom of Fluted Shaft Diameter	Top of Fluted Shaft Diameter	Spread of Arms Extreme Points	Size of Globes and Fitters		Size of Door Opening Extreme Measurements	Standard Height to Top of Central Globe
						Side Globes	Central Globe		
413	3	17″¼x19¾″	9½″	6½″	36½″	12″x6″	16″x8″	4″x8″	12′ 4″
415	5	17¼″x19¾″	9½″	6½″	36½″	12″x6″	16″x8″	4″x8″	12′ 4″
33	3	20″ sq.	9½″	6″	35″	12″x6″	16″x8″	4″x8″	13′ 2″
35	5	20″ sq.	9½″	6″	35″	12″x6″	16″x8″	4″x8″	13′ 2″

SECTION 6—CLUSTER DESIGNS



No. 423—3 Lights
No. 425—5 Lights

Specifications

Design No.	Number of Lights	Approximate Shipping Weight in Pounds
423	3	300
425	5	355
421	1	300

1. All list prices are based F. O. B. Canton, Ohio, and are subject to discount.

2. List prices do not include globes, lamps, nor any of the electrical equipment. Globes, sockets, ventilators, wiring, etc., quoted upon application.

3. Specified heights can be varied without materially affecting the cost.

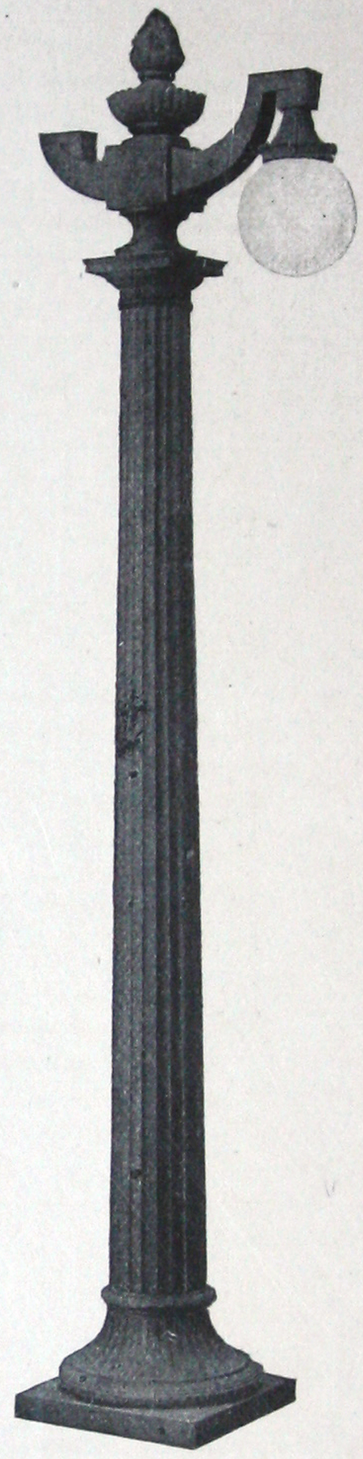
4. When required, bases are arranged for cut-outs, transformers, etc.

5. Many different designs may be created by interchanging bases, shafts and heads of Union Metal Lamp Standards.

6. Standards are given shop coat of green metallastic paint, both inside and outside, before leaving factory and should be given finishing coat after erection. Following special finishes are furnished at extra charge when specified: Natural Copper, Verde Antique, Oxidized Copper, or Statuary Bronze.

7. All designs can be furnished with copper jacketed shafts at an extra charge. Prices quoted upon application.

8. Always specify form of head that will be used.



No. 421

Design No.	No. of Lights	Size of Base at Ground Line	Bottom of Fluted Shaft Diameter	Top of Fluted Shaft Diameter	Spread of Arms Extreme Points	Size of Globes and Fitters		Size of Door Opening Extreme Measurements	Standard Height Over All
						Side Globes	Central Globe		
423	3	20″ sq.	9½″	6½″	34½″	12″x6″	16″x8″	4¾″x9¼″x6″	12′ 2″
425	5	20″ sq.	9½″	6½″	34½″	12″x6″	16″x8″	4¾″x9¼″x6″	12′ 2″
421	1	20″ sq.	9½″	6½″		12″x6″		4¾″x9¼″x6″	11′ 4″

Price List S-121 August 1, 1924

The Union Metal Manufacturing Company

CANTON, OHIO

List Prices—Loose Leaf Catalog No. 52, superseding all previous printed or quoted list prices covering designs in loose leaf Street Standard Catalog. All prices f. o. b. Canton, Ohio.

Design No.	Page No.	List Price	Lbs. Shp. Wt.
3	C–806	$132.00	435
5	"	145.00	470
33	C–809	95.00	290
35	"	105.00	315
73	C-807	134.00	430
75	"	152.00	485
93	"	160.00	490
95	"	185.00	560
133	C–806	183.00	575
135	"	229.00	700
163	C–808	96.00	285
165	"	116.00	335
187	S–602	265.00	655
Includes D	rum Sign	Complet	e)
Drum Sig	only	$100.00	100
413	C–809	110.00	320
415	"	141.00	375
421	C–810	101.00	300
423	"	100.00	300
425	"	117.00	355
483	C–804	134.00	415
485	"	152.00	470
503	C–800	82.00	240
505	"	92.00	265
523	"	97.00	285
525	"	114.00	330
563	C–802	109.00	335
565	"	127.00	390
582	C–804	179.00	530
647	B–204	99.00	320
649	"	75.00	230
656	B–228	64.00	192
717	R–416	60.00	170
792	B–200	90.00	285
793	C–802	104.00	290
806	"	87.00	245
807	B–208	84.00	290
842	"	118.00	400
856	R–412	52.00	140
858	C–804	154.00	465
868	B–226	608.00	1670
874	R–400	51.00	155
877	B–214	85.00	260
880	R–402	56.00	170
880	Union M	etal Lantern	only $74.00	85
882	B–228	56.00	165
883	R–416	59.00	180
890	B–224	161.00	490
895	R–420	149.00	425
898	B–228	27.00	60
901	B–224	160.00	505
904	S–600	188.00	550
1003	C–808	128.00	405
1005	"	158.00	460
1036	S–600	309.00	585
1053	R–414	100.00	285
1082	R–410	59.00	185
1106	R–422	242.00	815
(W	ithout B	ulls Eyes)	
1106	R–422	264.00	820
(With B	ulls Eyes)		
1122	R–414	37.00	100
1161	B–226	370.00	1010
1165	S–616	66.00	150
1174	S–612	289.00	470
1176	I–110	171.00	450
1184	S–618	65.00	170
Feeder A	rm only	13.00	17
1218	S–616	45.00	80
1242	S–614	66.00	150
1260	R–418	135.00	510
(Price I	ncludes	Trolley P	ole)
1292	R–406	71.00	205
1298	R–410	59.00	190
1319	S–620	74.00	190
1330	S–620	98.00	170
(Glass	Panels L	ettered)	
1313	S–618	71.00	175
(Glass	Panels n	ot Letter	ed)
Sign Fra	me & Gla	ss 19.00	17
1348	R–420	76.00	185
1356	B–208	96.00	305
1357	B–212	66.00	200
1360	R–418	119.00	445
(Price	Includes	Trolley P	ole)
1523	B–206	118.00	325
1526	B–216	118.00	390
1527	B–216	97.00	320
1537	B–210	$ 79.00	240
1538	B–212	65.00	195
1539	B–200	92.00	295
1563	S–622	834.00	1110
1571	R–408	62.00	195
1572	R–402	61.00	175
1586	S–602	122.00	400
(Not in	cluding	Clock or	Casing)
1609	B–202	115.00	370
1610	B–210	84.00	260
1611	B–202	103.00	335
1627	S–612	176.00	565
1628	S–610	384.00	1400
(Inclu	ding Trol	ley Pole)	
1633	S–604	168.00	420
1641	B–218	250.00	680
(Not i	ncluding	Trolley P	ole)
1642	B–218	303.00	810
(Not i	ncluding	Trolley P	ole)
1652	S–614	85.00	170
1655	B–220	328.00	870
1663	"	144.00	445
1684	S–606	172.00	470
1689	B–206	107.00	350
1690	B–228	35.00	80
1691	"	53.00	130
1692	"	28.00	60
1693	R–408	66.00	210
1694	R–406	77.00	225
1695	R–412	62.00	170
1696	S–604	181.00	480
(Not i	ncluding	Trolley P	ole)
1701	R–404	81.00	215
1702	"	105.00	240
1706	S–606	129.00	390
1715	S–608	202.00	550
1717	B–228	39.00	90
1842	B–208	91.00	290
1874	B–222	235.00	705
(Not i	ncluding	Trolley P	ole)
1876	B–222	252.00	755
(Not i	ncluding	Trolley P	ole)
1967	B–228	64.00	190
1968	"	30.00	65

(1) List Prices do not include globes, lamps, sockets, novalux unit, luminous arc, tubular steel trolley poles, wiring nor any of the electrical equipment. Prices on any of these accessories will be quoted upon application.

(2) When required, bases are arranged for cutouts, transformers, etc.

(3) Always specify type of socket, style of lamp or type of head that will be used.

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